

# SEQUENCE LISTING

<110> Weaver, Zoe

<120> Process for Identifying Anti-Cancer Therapeutic Agents Using  
Cancer Gene Sets

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<150> US/60/233,133

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<170> PatentIn version 3.0

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Wavelength	254	nm
Scan rate	10	nm/min
Integration time	1.0	s
Resolution	0.5	nm
Slit width	1.0	mm
Detector	Photodiode array	
Software	Chromatography	
Hardware	PC/AT	
Manufacturer	Shimadzu	
Model	10A	
Year	1990	
Location	University of Tokyo	
Address	7-3-1 Hongo, Bunkyo-ku, Tokyo 113	
Country	Japan	
Phone	03-5841-3131	
Fax	03-5841-3132	
E-mail	shimadzu@shimadzu.co.jp	
Web	http://www.shimadzu.co.jp	
Notes	This is a preliminary report. The results are not yet published.	

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>>> tataatcttct tttctcacca agagcaggtg ccctttcaga agggaatggg antngaggga 120
>>> gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc 180
>>> agcggccgga anactgggtg gctgcggggc ggcgcgggtt cannaggctt ctttttccgc 240
>>> ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca 300
>>> acaaaagatg gctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag 360
>>> atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca 420
>>> ncgataaaag gtggtttcca an 442

```

```

<210> 22
<211> 413
<212> DNA
<213> Homo sapiens

```

```

>>> <400> 22
>>> tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
>>> cttatcacaa actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
>>> aggtgcctgc tgccacctct ccaagcaggc cagagtccag tagagaatgc gattcaggaa 180
>>> gatggctcct cagagggcag ggagggttagc tacggaggcc gctcacgtgg aaatgtccag 240
>>> tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggtgg 300
>>> ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
>>> ggtgacctct tttcccctaa tcttctttca acccagagag ttttaagtctt ctc 413

```

```

<210> 23
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

>>> <400> 23
>>> aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60
>>> tcaaaattgt acaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
>>> ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
>>> gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
>>> aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
>>> ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
>>> agtttgaaaa ataatttata tgtctagc 388

```

```

<210> 24
<211> 415
<212> DNA
<213> Homo sapiens

```

```

>>> <400> 24
>>> ttcttgcttt ctttaaactt ttatttataa gtccatgcta ataatgtgtt tacattttta 60
>>> cagttacatt atgatagaaa ctggttgatt ttttaaatat ctaaaacaat ggcccactga 120
>>> agaaagggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180
>>> ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaact 240
>>> tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
>>> ataggcaaac attactcaag gtatcttact ttccacttat tactaaagg aattaacccc 360
>>> taaatagatg ctctcaaca gtgggactac atcctggtta acctatcata agttg 415

```

```

<210> 25
<211> 637
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```
<400> 25
gaattgtgaa gctgtttatc aaatgtttta gagaatttac acaagaatgt tttgacccca 60
caaaaaataa tgtgcctaag ctttaaaca aattcacatt ttatttagat tgaaataaac 120
tatacaaaat tgatttttctt caccaaaaat aacagcaata ttttccatat ttttctagat 180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag 240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc 300
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa 360
gcttaggaag atgtaggctc cacaaaggaa tgtaaacagc aacgagatgt ggaacaacag 420
caggcttttc cattcaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactt 480
acactggaaa tcctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa 540
ctgtccagggt atagatttta accatacctt aaaactccct attagtcaag gnccaattgt 600
gggcttcncc tacacatttt ataatggtta tcctcc 637
```

```
<210> 26
<211> 261
<212> DNA
<213> Homo sapiens
```

```
<400> 26
gagggaaaga caaaacgtat ttattccagg ccaggcttta aaatgcacac tgcacgggtc 60
cctgttggtta tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc 120
ctgctgctg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg 180
cagttggtga ggttttctac cctcacagca aagggatcct taactataaa ttcacgggtat 240
gcagagaaga ggacagaatc t 261
```

```
<210> 27
<211> 445
<212> DNA
<213> Homo sapiens
```

```
<400> 27
tttttttatt gttttatagt tttatttttt ttaaattgaca gttacaagtg cttttccctt 60
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt 120
tgtctaaact gaacttatat aattgcacaa aagtcattga aagcattaag aaatgctggt 180
aaagattgaa gttttctcag attcttgctc aattccaaga agccttgatt ccagtgggtc 240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca 300
caaccaggag aacccatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa 360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc 420
aggcttaaaa cttgttttga gctat 445
```

```
<210> 28
<211> 444
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 28
tacaaaaaac aattgttatt tgtgtacttt taaaacctca cagtaatatt ttcacactac 60
cttcttggtt gaaagttcac actcggaatt ccagagcagt ccattggccag gccactggg 120
tccccttgct ctctccttgg ctttggtaac cactggcccc agggactcag cctgctttcc 180
tatccatccc ctcatgagct gtcacatgct aggttaccct ttctgtttct tctaccacta 240
actccatgtc tgactgcaag tgaaaggaac agaagcccaa acctttgggt tttaaggagt 300
ttattgctaa tctgtaaaac agaaagagac aggagataag catgacaaaa tatagggaag 360
aaatgacttt tgccataaact tccaaactgt gtacaattga agcctccgct ttatagctct 420
tagcacacct ctcaaataag aagg 444
```

```
<210> 29
<211> 451
<212> DNA
```



<213> Homo sapiens  
 <400> 29  
 ttcatatttc aagtgttttt attctgagca gtaggtacaa aaaataatga catagtgtgtg 60  
 tctaattctg tatagttcag caccctccac aggctgtcaa tctctgattt gatctacttt 120  
 taccagattt aacagatcct tgaatttact ttactgtata tacttccttc ttgctcacat 180  
 tgggaatcaa actaatgctg gaaacatgca tcttcagact tcattgagga attccagatt 240  
 gagacacgct gggatgtgga ttgagtccat ggtagagaa gatggattaa atggaaacaa 300  
 aacaggaaac atgtgcttgg catctaatag cagttgctga gggtcattcc gctctttag 360  
 ttgtgcctgg attgttcgta taaaggccac tgttaccctg tcttcaaatt cattcagggg 420  
 agtataaagg tttaaaattt tgacaatctg c 451

<210> 30  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 30  
 gagcacaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattt 60  
 caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tggtattaca 120  
 gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga 180  
 gctgatattt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac 240  
 tcccccgatt tggcccgtgt agcttccctt tgagggtgtg tgacttgcca tctgcaaaaag 300  
 tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc 360  
 ctaacagagt gccaggggtc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt 420  
 tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct 466

<210> 31  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 31  
 gtgggttttaa tctgtgtttt gagatttttt tcaaattgaa agatattaca gatagaaaca 60  
 catcattcta ggtttcaaaa tcaccaaagt cagtgagaag aatgtacatt catttaaatg 120  
 taatcatttg taaataaaga aatcttgaaa aggtgaaca gttcaatcaa attgaagaat 180  
 tgatctagat ttttcattat tcttttttaa taatgagtaa gtgtagatat agtgtacata 240  
 caagttgaca ttctgattca ttcaaaatag tcacatccct ttgcttggtt ttggatgttc 300  
 cagagactaa aatttaatac cattcataac atagtatttt cagtaaaaag aattatagag 360  
 caatgaaaaa tcagaagatg gctcagagag ctttataatc tctaaatata cacacatt 418

<210> 32  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 32  
 tttttacaat tccataccac caccacattt gttctgtgct tttattttac gaaaaagcta 60  
 atggcaaadc tacattaaac taagttgaat acaaagtctt agtgaagaag gcctgggtgt 120  
 ctgctttaca aaaatggcca gtgtcatatt tgggcttaaa atttcaagaa gggcacttca 180  
 aatggctttg catttgcatg ttccagtgtc agagcgtagg aatagaccct ggcgtccact 240  
 gtgagatgtt cttcagctac cagagcatca agtctctgca gcaggtcatt cttgggtaaa 300  
 gaaatgactt ccacaaatc tccatccctt ggctttggct tcggccttgc gttttcggca 360  
 tcatctccgt taatggtgac tgtcacgatg tgtatagtag agtttgacaa gcctgggt 418

<210> 33  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

```

<400> 33
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc 240
ctctacaggg acacatatcc acacacccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446

```

```

<210> 34
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 34
ttttaagtcc tcacaacagt gattttatta aattagttgc tttataaaac attgcagatg 60
tcataattgt taacataaca atttaccaaa ctgtagttaa ctgggtgcagt ttgctgagca 120
tgttttataa aggaaaggaa aggaaatgcc aaaaccctgg taaagtgtgt ccattgcagc 180
ctaagagAAC aaagatttgt ttctcagaca cttaaatacag gcaaataaaa ataagtttcc 240
ctccccacc tgaagcagtt catcagtaga aatagcctga taaataacta gacagtcttt 300
gcactcgaga gattccacaa catgtaatgc aataatggaa aggtttacct tctttagctt 360
caaagttgga ggggttttgt cattttaatt ttatatcaaa ctagtgtctt tcagccgagc 420
tatcttcact ctgagataag cagtcttctt ccacaatgga atttttnata tccccatggg 480
ccatttttaa gaccaagcca attttaatac naggtgcccc ccacatggcc ctggctgcaa 540
acngcttttc ctggaccagn tttgaagtag ttccaggngg g 581

```

```

<210> 35
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 35
tttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata 60
taaaaacatt ttgataatat acaaacagca atcacacag catccacatg gcagcaaggg 120
gaccagggca cagagnnggg gagcgggctg gggagggaca gttttcaggg tcccagttgc 180
ttcctgggt tgaaatcacc ctggctcctag cagaggacag gttaaggctg ccagaggang 240
ngggtccttg acctgggccc ggagacagac tgcccaggca ggccctctga taccatcttc 300
caaccatggc agcctccag aaaagccaga tccatttagg agataacagg aaggtggctg 360
tgattgacag gaaaggcaac atgggttcctc agcatcctgc tgatcacacc tctgggaggg 420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac 465

```

```

<210> 36
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 36
tacatgtata ttatttattg ttgattctgt acaccaaagc gattacaagc agcatccagc 60
agaagacaga ccccccaacc ctgccacca gggctgacac tctacaaaac cctgagggcc 120
tagaaatctg taaatgcac gccaaagcact ggggctgatt tgcagtaatt ctctaagcaa 180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc ggggttggtga gaacaatctc 240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgagcc 300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa 360

```



ataaaaaactt tattacaaaa ataagttaca ctgcctcca gtttacagta taaaacaatt 240  
 ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300  
 gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360  
 ataagc 366

<210> 42  
 <211> 272  
 <212> DNA  
 <213> Homo sapiens

<400> 42  
 acatagaaaa aaatgtatat ttatatccct aaaaggcaat acagaattta taaccaaacc 60  
 atgtgtgaga actgttaaata tacattccaa ataccagcag tggaacaaac agaaacacag 120  
 agatgtttta aaaaacatgc agcacgttac aaagaggccg tgtaataatt cacaactttt 180  
 gttagcagcc gtttaagtttg attagtatta agcagcaatg gtttaagcaa ttttaaatca 240  
 tgatatgata gttacatata tgcattttac tg 272

<210> 43  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 43  
 tttttttaaa attaataaac caacacccat tctattttaag gttccaaaag gaagtagctg 60  
 gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt 120  
 ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
 gctgctagag gctggttgct gactccagge cgcgttccag gaaatatcgg tgggaagaac 240  
 ggggacgggc ttgggaccct tcattgagga agtaggatgt gatcttcctg agtcctcct 300  
 gattctcgga tgctgagtcc tcccatataa catcttc 337

<210> 44  
 <211> 423  
 <212> DNA  
 <213> Homo sapiens

<400> 44  
 acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt 60  
 tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga 120  
 acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata 180  
 actagttgtg cagctctgga gaacttaata aaaagtaaata caacttttaa atcagttaac 240  
 tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat 300  
 gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct 360  
 gtggtcactg tcctctcttc agcaggggtt ttttacccca gtacgattgt ccatctctgt 420  
 att 423

<210> 45  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 45  
 gattgtattc aaatttttat tttttgaaca aaaattttaag acaatgattt taaataataa 60  
 aacatggtat atattctaga cactggtttt ttttaaagat ttattaaatt tagactccta 120  
 tagttctgtt gtgatgcttt cttcaacatt tatattatct cttaccattt tatcatcact 180  
 ccaagcttgc taaacaaaaga atctctctgt taagtgaagt tttacattaa ggaaatactc 240  
 cactagcaca ctgaacaaac ctacagaact gtccatagttt atatttaca aacacaagaa 300  
 gtctgtccag ccattttggt tttgttggtta cactgtccat actgagatca gcagagagct 360  
 aagtaataca caagattacg cttcggcagc gcaaaggatg gcatcaac 408

<210> 46  
 <211> 369  
 <212> DNA  
 <213> Homo sapiens

```

<400> 46
gcaggtaatc ttattttccct aagggtagtt tcatgatgac agtgtcaaaa aattactgtg      60
gataaagaaa aaattgtctc aatgaaatag aatttttcac tgaacacaga aaccatctca      120
atagttgctg ctccctgggt tccaggccac gcaacagaca tcaaaccagg aagccaaact      180
ttcatggacc tgtgttaaga aaaacacaca tacatgggca tactactttt tccagaaaaa      240
cggaattagg cagagaagga agtgtgggtg tacaactgat ccacaagcta ttgggaaatc      300
aatagctaaa aaatgtcaac accctggcct ccttttatca ggaactccag gaggctgaag      360
gaatgtgag                                     369

```

```

<210> 47
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 47
gttaccaatc tgaagtggga gcggccgcca tttttttttt tttttttttt tttttaaaagt      60
ccatagattt taatgaaatt tctattcctg tctctgagcg gctgctgtgc tttgtctggg      120
tccccagggg gacaagagtc aggctggaat gagacctctg tctgccaggc ctttgtggag      180
gcctgggagg agaaaggcca aaggctttga tgcttgggac cgatgcccg gactcagct      240
ccagacacca gggatctggc aaggggggtg ggcaagggcc agacagacca acagccttgg      300
ggtcctggcg agactcgcca agaccagatc tgaagctggc tgggccaag cagctgaggc      360
gg                                     362

```

```

<210> 48
<211> 394
<212> DNA
<213> Homo sapiens

```

```

<400> 48
caagatagag ggtttttatt gaaagtaggt tatgcaaact tggcttgaaa ggtacttatt      60
attttaaaaa ttatgcctaa tgatgcata aatacaaaaa catataatac atcaatagtc      120
aaccctttcc ccataaaggc aaagtactg agaaatgttt atttttcctc tggtaatggc      180
taatccaggt aataatatga aagcaaatgg aaaattcaca ttgcttcttt cattgcttct      240
gtcccttaaa cctgttaatc tttcagaacc acattactga ggtgctggcc tgtgcatgga      300
aaccctaatga tatccaggtc ttacagggtc agggccagat ggacagacag gccttggtcc      360
tccacgctgg ccaccatgtc ttogatggca ttcc                                     394

```

```

<210> 49
<211> 385
<212> DNA
<213> Homo sapiens

```

```

<400> 49
tgtgatgcag catcagggtc ttttacttca gtgaatgaaa aataatggtc acaactcaaa      60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat      120
cttagcaatt ccataatcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg      180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc      240
cgtgacaggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt      300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg      360
ttcactcaaa gtatgatcct ctgca                                     385

```

```

<210> 50
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<400> 50
ttttggaata ccattgtgtt tattgatcaa acctggcctc gagtgtgaca gagccattct      60
tggtttctct tggaagtaac aagaacactg ggtaacatgt gaagtgcag gagactcacc      120
tgaatcccac caagtagta gctggaccca gtagcctagc ttattgtctt ggcagtgcc      180
ctaccagta ccattagacc tggctttgtc ccttacatag gacagactgg gcttctccac      240
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaagggagg      300

```

agtcacatcaag tttatagatg ggtaggctga ggattgagggc aggagggggac ttaatggctg 360  
 agtccctggc ttgttccaga gccctggccc ttgagcccct ggactgggtca gtgcatggac 420  
 actctccctt cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa 480  
 tctataaata tgtatttgc 500

<210> 51  
 <211> 313  
 <212> DNA  
 <213> Homo sapiens

<400> 51  
 actgaaaaac tcagacttta ttcagattaa gttcctctac aaaaagtagg gttctgtccc 60  
 atgtgtctct gacacattta caaaatacca gttttttaa attttgggtca aattatgagt 120  
 gggtgattta aaaacttttc caagaagaag aaaagcatgg agtagtaatt taaagaactc 180  
 aataaaaact tctatttttt attttaaaat aatatacaca gtgttatttt cttcaagacc 240  
 gtctgttgga tgtgaaatcc gtcttcgcgt catgtatctc ccataatccag cagttcagcc 300  
 atccagctac ctt 313

<210> 52  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 52  
 gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60  
 acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120  
 gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180  
 acaccctcc accaactgtc aatgttg 207

<210> 53  
 <211> 221  
 <212> DNA  
 <213> Homo sapiens

<400> 53  
 aaagcgctga tggaattacc ctgctaggga accagcatac atatgtcatt cctttgtaca 60  
 gtatttttac aagtatttga ttttgtttac cctaatttat ccaactcagg aataaaaagg 120  
 aatctcagat ctatgagaag gacctccaat ttctcattct cagcttcaaa acaaattagt 180  
 cagtttaaca ttagtcaaga cacagggtgc tgtgaaataa g 221

<210> 54  
 <211> 228  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 54  
 gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca cccnctcgtt 60  
 aaaggcacac agtctctctt tctgccccac ctcttggttc cttaaaatcg agtcctgagt 120  
 tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtctt actctgtgag 180  
 tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

<210> 55  
 <211> 536  
 <212> DNA  
 <213> Homo sapiens

<400> 55  
 ttacagggtat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta 60  
 ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg 120  
 ttcaagctac ttgacttgtg aaaaacaaaa aaccaccatg acttctcaac aaatacattt 180

taaaatgaaa	tatgctcagg	ctgataaaca	aacaagatat	taaaatggag	actgacattg	240
aactacatag	tcaacttgaa	aaacacaaga	agacaatgct	cctataaaaat	gatatattat	300
tggttttaca	aagacatact	ggttttatgtt	tacaactatg	ttttatttttc	aaatggtaaa	360
ggaaaggctt	catgttgcta	tttgaaagta	cttctcaact	agccgggcat	ggtggcataa	420
ttcctgaagt	aggaggatca	ttcccttgag	gccaggaggt	ccaggctgca	gtgagctgtg	480
attgtgccct	gaccatagct	tgggtgacag	agtgaactct	gtctcaaaaa	aaaaaa	536

<210> 56  
 <211> 535  
 <212> DNA  
 <213> Homo sapiens

<400> 56	ttttgaaaaa	agatcacaga	ataattttat	ttataatgaa	tgttattctc	tccagacttc	60
	aactcatcag	tttactctta	taacagagaa	tcaattttaa	taacaccatc	aaaatggaat	120
	gaatataaaa	caatctgcta	ttacgtatcg	atttctttga	taggatataa	ttatagccaa	180
	ttagtcttgc	aacacatggg	ccatttccag	tgaaattctc	aataaaactgc	taggaattac	240
	agtccttcat	attgacattt	tattgtaaag	tctgctagac	gtggctctct	tgattgcttt	300
	ggaagtcagt	caaacaaatg	ctctgaagaa	aaggctgaca	ccgcaaaaaca	acttcatatg	360
	aaatctgtcc	acaaatggga	tagcaatgcc	tccagatcct	ttggttttta	tcagtccctt	420
	tggaaagtta	attaattgat	gattgttccc	ttaaaattct	attttaaata	ggacaatcac	480
	tgtctataca	gtctgtgcca	gcgtccttga	ctttcttgc	tccactgatt	tgttt	535

<210> 57  
 <211> 378  
 <212> DNA  
 <213> Homo sapiens

<400> 57	gagagcacia	ctccaaatca	tcttttatta	atataaaaag	ggcatattta	gcaaaagaca	60
	cacagataaa	agagtcacta	tggtctcagg	cacaaggcag	ggaggtgcc	ggcctgtgcc	120
	cctgctgggg	gagaaggagg	ctcgggacaa	agtgggagaa	gtgctgggaa	gggctgagcg	180
	gtaggggcca	caaaagttcc	ggtgggcaac	actgtcggca	ggcatgggt	gggactcatg	240
	gggacctcgc	tgctaactct	tggtgtgggg	gggtgtcctt	agtgtgccca	cctggagggc	300
	cactccttgg	ttcctggagg	ggaccaccca	agggacacag	gacaggaagc	ccaggatggt	360
	tagtgcaact	cgggatga					378

<210> 58  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 58	ctccaaggca	tttattaact	cctgagtgtc	acggggccag	gggaaggctg	gagcaaaacc	60
	aagtctctgg	gggagggggt	cctctctgga	tccccactac	tcagctcccc	gggctcccc	120
	tgcagcccta	gagacgggag	aagtccagtg	tgctgttcaa	cttccctcca	agtccccaag	180
	aaagtgggag	gcagtgttcc	actccagtg	cgtccagacg	aacaa		225

<210> 59  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<400> 59	tttctttaac	cgtgtgggtct	ttatttccagt	gccagtgtta	cagatacaac	acaaatgttc	60
	cagttagaag	gaattcaaac	ggaatgccaa	ggccaagcc	aggctcaaga	aataaaaagg	120
	gagggttgga	gtaatagata	agatgactcc	aatactcact	cttcctaagg	gcaaaggtag	180
	ttttgataca	gagtctgata	tttgaaactg	gtgaactcct	cttcacacca	ttaccatagt	240
	tcaaacaggc	aagttatggg	cttaggagca	ctttaaaatt	tgtgggtggga	atagggtcat	300
	taataactat	gaatatactt	tttagaagg	gaccattttg	cacttttaaag	ggaatca	357

<210> 60  
 <211> 378

<212> DNA  
<213> Homo sapiens

<400> 60  
aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60  
tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120  
ctattgcata cagacacatt tttacacaca aacatatttt ttaaagacat ctctccaaca 180  
ttctcaaaag gcaagagctg tatttgtagc atttgtaata aatgcaacag cttttgaaac 240  
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300  
attttctgaa aatacgacat acagtcattg ttcgatcaac aattgaccac atatgacaga 360  
gacccataaa gattataa 378

<210> 61  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 61  
ctgttatgta tctgtgattt tatttcttct ttgggtatag ggttgagggg aaataagttt 60  
tgagtggaga ataaacgttt tagctgaaat tgtatcccag aagtttgaaa taagtagtag 120  
aagaggggga aaacaaggga gaagtgggtg ggaagacttg gtagattggg gccttaagta 180  
accacctcct ttcctctctc gcccctatga cttcctgctc caagttacag aagggaagga 240  
aaccattttta ctctttttat tctgctcatt aatgatctga aagaagaaga tggggaaaag 300  
gggattccac cacaaggtc caaagaacca agagtgcaa tcagtccatt tcactttcac 360  
tgtctgagat aggggtctcta agaccaggat acaaggggtg aatgtagcta tatggactcg 420  
atttg 425

<210> 62  
<211> 418  
<212> DNA  
<213> Homo sapiens

<400> 62  
gaaatgtaag tatacagatt ttaatttatt ttaagaata attgtatatt ttaaaaacag 60  
gacacgtact gtatgagtaa acagcgtggc taacaccaag tccacactgg taagcttttg 120  
agaaccattt acactatggt gacagtagta ctgctgcagg cagacagcgg aagaataaat 180  
aatagtgtct caagaagagt agtgattgag aggataggta aagagggcgc ctcatcgtgg 240  
aagctagagc aggaacacct cccagtagt gacatgtgca aagttccaga tctccacgac 300  
aaagacagct caacccactg gaacaaacag actcccaatg tggctggcaa ctgcgggggt 360  
agaagaactc aggcaaagta ggcacaggaa tgggggagat gagagccaag ggacaaac 418

<210> 63  
<211> 286  
<212> DNA  
<213> Homo sapiens

<400> 63  
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60  
acccctcccg ctgggtagag gccctagggg gggctagggg aggggagatg ggggtggggg 120  
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctacagctgct gccctccttt 180  
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240  
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

<210> 64  
<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 64  
tactgctttc ttgattttat ttcaaaagta cacaagggtca caaaactaga gcaagttgtt 60  
tttcttaaca aattttgttc ttacaaattt caaaatctgc accattggat atataagcca 120  
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180  
gtgtcagaat attttcttca gtagtacagg tgtattttatc actaaaattc acaattaggg 240



<210> 65  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 65  
tttggttaaag aatgctttat taatacaaat acacacaaaac tctgaagcac taagaaatatt 60  
aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgac agaattgcttg 120  
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg 180  
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc 240  
cactcaaggg gaggtgcgca atctgggtgct cttcaggcag gtcaaaactc tcaaagtcta 300  
gaggattgaa gggaaagaat ttttctatct ctggataggc atcatctgag gcaggaacag 360  
agctttttgc ttttaacagtc ttctcagtc tctttttggc agaaaagctt ggctgttttt 420  
gtttgagggg tccc 434

<210> 66  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 66  
ttttaaaaat gtaatactgt ttatttaact tcaaaaacat ttcagcattc taaacatata 60  
aaaaaataac agaacgttgc gaatcgtggt taagtacagg aggttcttga acttttcattg 120  
atgcagtgc tctttgcttt gctgacaatg aagagttcta tagtttggtt aaaaacaaac 180  
agtttaaaaa ctaccgcaact taaaaaaaaa aaatattctc atgccagctg accccccttt 240  
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg 300  
aagctaaatg gatgccccct gcagagtcaa caggtcc 337

<210> 67  
<211> 374  
<212> DNA  
<213> Homo sapiens

<400> 67  
tttttacaat taagctatatt ttatttaaca tgtaatagtc ataaagcaac tccatatatt 60  
tagttttctg atatcctaatt gtatttccac aaacctttta agtctacaat tttatatagt 120  
tttccatcag ggaggcaaga tatatataat ttctttttat atttaactaa aggtttttaag 180  
agggcttagt ctctaaatca gtaacaatta gtcataacac catacaaaca catttaaaata 240  
ttcaggaaag aggttggtta gattattgct tagtcttata aaatgggtgaa ttttaaccaa 300  
attgatacct ctgtaatctt atttatgttt cctataacat catactgctt ggcaagtaat 360  
gtaagttttg acat 374

<210> 68  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 68  
ttttggtaat taacataatt tattacgcaa aaaatgagaa aatatacagc aggagggatg 60  
aggagtacac ataggaaatt tctgtgattt tcttcatttt gatcgtattg ctttcttgtc 120  
ttcaggaggg aagatttcga cttcaaaagt aacaaaatat ttaagaagag aattcacatc 180  
tttctgttct aactggtatt cttgcattta ttttctcagc agtccagggt tctgggaaaa 240  
gcttatgatt attgagaagt gtcaatgctt ctacaat 277

<210> 69  
<211> 463  
<212> DNA  
<213> Homo sapiens

<400> 69  
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat 60  
gtcgtcatag aggctgttgg cgtcggacag gcagaggctg aggctgctgc tatccaggga 120  
agacacaccc tcacgctgcg tgccctctag gtgcactcgg cacagccagg gttccagctt 180  
caccaggacc aggtctttct ccttgggcct cccagctgac aggtcctgcc cgaagcccag 240  
gtagatggta tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg 300

aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg 360  
gtggaggggc tggcggacta ggggggccc ccacctcca gtacaccttg cacttgccca 420  
tgcgccgggg gcatagttgt ggcccccaa gctccaggtg caa 463

<210> 70  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 70  
tttttttttt ttttttttcc aggacgctca cacttagttt ttattagcca cagtttccca 60  
cagtttttcta cctcctagga aatacacagc tcaccaaggg caccagtc caattctgtc 120  
ctgcttgcat ggctgacact gttgctcacc gagggtgaca ggatctgcaa agtcacccag 180  
ggcctggttt cctcaggtac agagaacccc aaagaaagaa gagccagaac ttagagcccc 240  
tttcttctcc atatgggata ggacacccaa gacaaatgac ccatgcatca tgaaacagag 300  
gcagggccta agctgcccac gaggcctggg cacttgaggt tcctgccaac agccaggcca 360  
ctgaaccatt gctgtccac cctcccacag tgggtaatcc ctggcctagt tgt 413

<210> 71  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 71  
tttgtttctt tgaattttat ctttatttct ccataagggc aatcagagaa atatgctttc 60  
ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt 120  
accaaactag ctattttttac aggccaataa agcaacatgc aatccccctc aacaaattta 180  
aataatcagg caataactaag aatgtatatt ccattaaact aaaataaaca aggttgaaat 240  
gtggtacaga attcactgat gagcctgtga actccacgtg aggatgtcca gtgccttatt 300  
tatctcagta accagagtac ccagcacaca agataaaagt gggattacc taagtggcca 360  
ctattttatt aataatgcac ataacatatg cttatcatta actc 404

<210> 72  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 72  
tttttttgca tcttaagaca aatattcttt tttttctgtt aaactgaata tacaattggt 60  
ccctaggcaa ccaacttttg cttataacta caatttaatt tcacgttgac aaaacacagt 120  
gaaaagacaa ctttgtgaag atctaattac aataataaat aaaataattt atacaagggg 180  
ttttttttct tgactttttct ataggggtca tttcatttaa aaagcccaaa aggctacctt 240  
tgccttaacc cttctgtagt acaggaatga ttctagattt gtttcctttt gttatagaag 300  
caaataattgt ttttttaaaa tagcctgaga tgagagggtta tattgtaccc caccagctaa 360  
cacactaagt ggatgacaaa ctattctctc ggtaatttat atag 404

<210> 73  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 73  
cacctacact gtctctgttc tctcttccag gaactcctaa cattacatat tgattgtcta 60  
tgtctttttt ctttctttat atttttctat ctatttcttt ttgctcttta tctggagaga 120  
ttccctcaac tttattttcc agactgtata ccaaataact ttagcagtct tattttattt 180  
tcaaagagat cttcttattc tcagtcttct ctttcttttc ttgcttttta agagacaggg 240  
tctcactctg tccccaggc tggagtgcag tggcaccatc atggctcact gaagccttga 300  
actcctgggc tcaagtgatc ttcccacttc agcctcccaa gtagctagga ccacaggcac 360  
atgccaccat gcttgggctaa ttttttaaaa ttattttgta gaga 404

<210> 74  
<211> 193  
<212> DNA

<213> Homo sapiens

<400> 74  
 tttttttttt tttttttttt ttttttaggaa cataaacttt tattgtcatc cagcacctgt 60  
 gatagtttca tgtctctcta aaggagacag gaaattggag cattgtgggc ctttttaaaa 120  
 gaaaagagga gtaggtaggc acaccaggt gcttctaaaa caaccaagcc caaacctgac 180  
 atgctcctcc cca 193

<210> 75  
 <211> 406  
 <212> DNA  
 <213> Homo sapiens

<400> 75  
 agatttttta aaaattttat acaaatagac taactttgat ttaaagtaaa catataaaaa 60  
 ttgagaagaa tattgcttgc aacaatggac ttggaaggag aggaatggat taggcagggg 120  
 tacaaagaaa tggctcctac tcggtagtgc caggcacatg cccagcactc tgcagaactc 180  
 tcacagggac accctctgct gcaccgtgtc cttcagccca caaagtctga ctgattttgt 240  
 aacaacaact tcaggtcagg aaaaaaacia atgcaagaaa atcggaaggc acaagcacc 300  
 atgtgatcta gaattgttctt ggggtgagga ataaggaggg aaagggatac ttttggttca 360  
 gcactacagt caatttcgcc attgttgaag aaaaacggta taaaat 406

<210> 76  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 76  
 tttttttttt aagccttata tttttaataa aaaataaaca gtctctgaca agcagttttc 60  
 tgaatcccaa aacaaaggaa atttgagggg gagaggtgaa ggggtcagct agggtaaagg 120  
 agtgaagaag gctcagatta cccctgccat tctgccaggg cagaaggat cagagtctgc 180  
 cccaactgaa gcaagaagaa aggtggtcag acttcaggaa agac 224

<210> 77  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 77  
 taagatcaat attcattctt catttgccct cgtaacgaaa atagattttt aaatgcctca 60  
 aatatacaaa catcattgat gcacacacat tccagaaatg cagaggtatg ctgctgccac 120  
 ggggtagggg tgcgggaggc ggccctggct catggcgcat gaccgtgcc cagcccgggc 180  
 ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat 240  
 gcgtgaggta ctgaagggga ccatggtgga tggcatcctg ggcactttgt agcttgtctg 300  
 agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcaccctggg gccctgacat 360  
 cctaaaatgc cccactgact accagtcact aggagaaagg tctccggcta tg 412

<210> 78  
 <211> 408  
 <212> DNA  
 <213> Homo sapiens

<400> 78  
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 caaaaccaca actcagtctg ctttgggtatt gacaaaatcc ctacaactga gatattaaag 120  
 agatacatat attttagagt tacataaaac cagaatccaa cactacccta ctttctatt 180  
 cctttgtggc tctgaatgca gctttaaaaa aacaaaacia agcaaagcaa agcaaaaacia 240  
 aacagctctt tataatgtac aatggcttaa gcaaatoctt ttagtttttt ttctatttaa 300  
 gatttaggac agactactcg tctaaaattc actatttaca gagaaggctc tagggaacag 360  
 gataacttat ttaggtttag ctctcataat acaatatcca taatggct 408

<210> 79  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 79  
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 tttatttaac ataaggccaa agaagctatc aggcgttget gaatactgtc cactaactgt 120  
 acaaaatatt gactgcatgc ctgcgaaaca ccaaaatatc cgctggaatg ccatagaaat 180  
 aaataacttc tgctataaac acatgaaaac atatcaaact gttatctctt taaacatatt 240  
 gtaaataaaa aaattaccag tacttctaca caataaatat taagaaacca ttgacatagt 300  
 tgaaatgc 308

<210> 80  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 80  
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 aaaccagtgt cttattccaa agtctcaact cagctgattg ccaggtgaac atcaccatct 120  
 tactcctctg aataactaga cacaaattac atagcaagtt cgtgtttctg cccacccaag 180  
 acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240  
 gcccatcttc tctcagcagt tcttcccctc tgctaagatg cgccttcctg gtggctctct 300  
 ctcaagggtgg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360  
 ccact 365

<210> 81  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<400> 81  
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 ttaaaaacaa gacgttttaa aaaattacag caaagtttagc aaggcagtga ctaattaagt 120  
 cactaagtgtt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacataa 180  
 ttttcagcca ctttgagatg aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240  
 ttgaatttta taaaagagggt ttaaaacatt aaagtttcca gaaataacac agtaaagaaa 300  
 tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360  
 ttcatttgct cccaatgcct ttc 383

<210> 82  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 82  
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 cccctgccct ctaatccagg ctccaggtacc cccagtgagg tatcctcaga aggcaactcc 120  
 caagaccagg agtaatgaga gattgggcag agggtaaggg acagcaggga gacggaggaa 180  
 aatgaagaca ccagggaag agggagaggcc tgaactggac agctgatgct ttgtcctgcc 240  
 cagcacccat tcgtcccttc ttcaggtaat atcatctgcc accacaacca ccagcaccaa 300  
 ctctcagtct ctgtgggtac atgccaggcc tgtccatttg gtgtattcca tcttctgggc 360  
 cacaatgatg acttgaggct ggatac 386

<210> 83  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 83  
 aagaagaaaa ggctgtaatt ttattttcaa atttttggaa gtttttcaga aaaaaataaa 60  
 atgacaagaa cacatacaaa tattgaaatt attcattgaa ctataaacac ttagcagagg 120  
 aagggaacttt tgatgtattt gaatccacct ccttctgaaa gcaggaatca cttctaaatg 180  
 tctctcatat ctttcttcaa ggagtgggtt tccaggagggt tcccagcctc ctcaaattct 240  
 tcccaagttt gatgcacttc acctcataaa aataatatat atat 284

<210> 84

<211> 355  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 84  
 acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60  
 cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120  
 tctgtaacag aagtaaattc tgtttttatg tttataaaact caaaaagtaa catgaagtgc 180  
 aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagtg tgcagcaaac 240  
 caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300  
 cccaagtccc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

<210> 85  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 85  
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 atcctcaatg gtaaaaggct gaaggatttt tctctaaggt taggaacaag gcaaatgcct 120  
 gctcttgcca ctctattcag catagtgtct ggagttctag acagagcagt taggcaagga 180  
 aaaggaaaatc taagggcatc caaattggga aagggaggga aggtaaaatt atctctgttt 240  
 ggccaatgga tatggatttt atatggtatg gaataggaaa acccttaaag gattccnccc 300  
 agggggccngg ggnccgggtg ggccctcaccg ccttttttaac tccccagcac tttgggggga 360  
 gggggcccagg gtgggggngg ggtttgcttt gagggncacg ggggggtttcc aggacttggc 420  
 cggggggggg 429

<210> 86  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 86  
 tttttttttg atggtggttg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
 aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
 tctagaccag tgactttctca gaactgccat ttctctatct ggtagacagg atggtaagcc 180  
 ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
 attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
 tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 87  
 <211> 417  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 87  
 gtaaacactt tgcttttggt ctgtgtctat actggcatct caggagagtg agatatccag 60  
 acctgatctt cagaagcact atgagccagt atccatcggc gccactgatg agttccagag 120  
 tgaggacagt gtcacagct agaactgacc gtccccacac ttcatctccc tccagggnct 180  
 tcctgctgac accaggggct cctcaaaaatt actccttcc tccacacatgg gtgacaaggg 240  
 ttctcaaaaa gaacacctgg gcagagatgc ccactacagg caatgcttgt ggggtgggcaa 300  
 gaagcataaa agaaccccaa tgnccaaca ccaggggaat gggattaang ccagggggtt 360  
 acccatttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 88  
 <211> 412  
 <212> DNA  
 <213> Homo sapiens

<400> 88  
 ttaaagtgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
 tgatcatctg ataaaagtaa gagttgacaa aaaagggtaca tcttctccaa tccgaaaaca 120  
 gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggg 180  
 tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
 tgatcgagaa atgtttttaga taaggcacaa aaagatacca agaatgttaa cactaggctg 300  
 tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360  
 agcacaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 89  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

<400> 89  
 ttttcagtca cagaatgttt tatttttaaac ttactgtaaa actttcaaact acaacacatg 60  
 tggcaaagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccatct 120  
 ctattatgtg atatttttaca atttctttca atttcttaca ttcatgggtat tcttaaaggc 180  
 agcaatgtca atttttctgc tttgaaaata gttcagttaa tgttctgaaa ttgcttaaca 240  
 tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 90  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 90  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtca 398

<210> 91  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 91  
 ttttttttgc tgccagctgc atttattgta gcatgtacaa accactcaca gccagcgcct 60  
 gtcaggggccc caggacactg gccagcgggg ccaaggagcc acattgctgg gcacatgccc 120  
 cataccctgg ccacccggca gcagtgccca gcatccctca atgacagagc agccaggacc 180  
 ccagcgggtga ctgtcccaga ggacctacag gggcatgggg ccaaagctgg gtcctgcacc 240  
 ttgtttggcc tgcagatttg atttctgaat taatttctgc caacaactta aaaaatcagg 300  
 acatctcaca tacaatctg tatttctggc ttctccagat ttctgtcatt aggctgcat 360  
 tcccacacca gagcaattag ctacacctga atatggcagc g 401

<210> 92  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 92  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataagtgtg tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctacctt gtacagtggg 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240

```
cttcgtataa accctgaaat gttcccagat gttggaaggt tccctctttg aggagatgtc 300
tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360
cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420
c 421
```

```
<210> 93
<211> 108
<212> DNA
<213> Homo sapiens
```

```
<400> 93
gatctgacgt tttctacgta gcttttgtat ttttttttta aatttgaaga aacactgatg 60
aagccctgcc ataccctccc cgagtctaataaaaacgtata atcacaaa 108
```

```
<210> 94
<211> 407
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 94
tagagacggg gtgtcaccat gttggccagg ctggcnctcaa actcctgacc tcagggtgac 60
cgcattgctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120
taagtattta ttaagggtgag tttttacaaa caagcatcta tcccagtggtg cgggggtgagg 180
atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240
ccagggttca ncccattgtg gatttcatag tccccagag acacatgggc cttaaaaatt 300
gtgtaccact tcttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360
gcttcttaag ggtccccgat gggnatcanc cctgttggca tttaacg 407
```

```
<210> 95
<211> 447
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 95
gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60
cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120
agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180
gcttgacttc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240
ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300
gtgacccttt agctgctaaa gctaaagggg ggaaagtggg aaaaggaaat taactaatac 360
tttgtaacca tttttaatat ttentatattt ccaaactctg cttttataac agaagtgttt 420
tacacttggc acaatattaa ttacttg 447
```

```
<210> 96
<211> 210
<212> DNA
<213> Homo sapiens
```

```
<400> 96
ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60
tgcattatgt ctgcttgacg catcgggtctt cagattttca atttgttcga ttacttcaaa 120
accagaaata accagtccaa agactacatg caccatccatc aggtgtggag caggctttgt 180
ggtactatgt aataaacatc aacacaaaga 210
```

```
<210> 97
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<400> 97
```

```

ttttttttgt tttctacagc accaaagaaa ttcaaataagg aaaaggagag ttgagaattg      60
ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt      120
caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc      180
tgtatatgca gcgttggttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat      240
gggttggtgg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt      300
aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca      360
aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg      420
atttccatgg acagtttttt t                                     441

```

```

<210> 98
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<400> 98
tttttaaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcaaac ttggggaagg      60
cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgacac gcggccgggc      120
agaggcgctc ctacttgcc agacgggggtg gcggccaggc agagggtgctc ctactttcc      180
acacgggtgtg ggggcccgggc agagggtgctt ctacagttccc agatgggtgct gggctgtcgg      240
actccattgc tggatgtgtg acttgggttt aagcttctcc cttctgctct catctggaaa      300
tgctgacagc ctgggcattt cctcctttgg cactggagac tgaagcctgg caaggcctgc      360
cctcagcagg aactccccct gggccccact ctgtgacctt gagcccaaga caggattttt      420
cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgttaggtag      480
gtgacaac                                     488

```

```

<210> 99
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 99
tttttttttt ttttttaaag gcaacatata aactttattg aacaaaagta aactgtttca      60
gtaaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaactac      120
ttacagtaac ctacttgagc ttgcatctta ctgagctctg ttgctgtgaa gaatacagct      180
catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt      240
atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt      300
tgttgatctt ttggaagagg tctgtctaaag agaagaatat gtggttctgg ctcatgaatc      360
atggtaatatg acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga      420
catcagatga gtttttaggt cttgttttgg aagttctctg gggtaacata acatgccggt      480
acta                                     484

```

```

<210> 100
<211> 401
<212> DNA
<213> Homo sapiens

```

```

<400> 100
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg      60
gaggggtctc caatgaagag gacctagcac tggaagggtga tagccccaga agagaagagg      120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaatgg      180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acacccattc      240
tgagggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg      300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc      360
atccaattag accgaggtgc aaaagccaat gcgtcaacat c                                     401

```

```

<210> 101
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<400> 101
tttttttttt tttttttttt ttttttggag tttaaaaatc ctttattaaa aaaccccaaa      60

```





taaaatactc gaaggccttc aggatccttt gacggattta catcaataag agaacctatt 420  
 tttgatgtgg taaaagatat gtggctctct ccaattacat tttcaagctc ctgtcggcca 480  
 acccttttag gggg 494

<210> 106  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 106  
 ccagttttgt ccaaaataat ttatttacca gccttacaaa aaacatgtcg gcaagagaag 60  
 aatcagtcct gtaggagcag gcaaacctct ccttccttcc ggtggctccc ctaggacctg 120  
 ccggagagtg gagagtccgg tgggggggtc ccaagcccag ggtggacgag gaaaaggtea 180  
 ggaaatagag gattgtcctg agccctcctg gccatggggg ccgaccctgt gggcactgag 240  
 g 241

<210> 107  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 107  
 tttttttggc tgtaaaaacg ttcaccccca caaaagggga gtggacagat ttattgaaat 60  
 caaactggga aaggagcagc tggacggctg gactctgggc ccagcccagg cccgtctctg 120  
 ccaggatggg cccttgacaga gagggaggag aggcattggg cctgcagctg cccacaaggga 180  
 agcgcccttg gttacttcca cgggtggggg cctcttgga acctccaatc tggaaagaaa 240  
 accaagggcc aaagtcacat ggacagggcc agagaaaggg actggggagg tggaaagcag 300  
 gcagaagcag gctcaggagc ccgcagttag ttaaactgtg cttctcaagg cggcctgggg 360  
 ggtgtgggtg ggggctgcca gccttgacag gggcctaggc tgg 403

<210> 108  
 <211> 253  
 <212> DNA  
 <213> Homo sapiens

<400> 108  
 taactcccag tcaccctggt ttatttcaac catggagaaa agtacagagg aaaggctgca 60  
 tatggagaga ctgtcgggct gacgggtgtc cagcagatcc gactccactg gtggaaacag 120  
 cagccgcccg gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc 180  
 agcagggtgt caggaatcac ctgccgatg ccagcgtctg tcttgtcttg agggccagac 240  
 tgtcatgaag tca 253

<210> 109  
 <211> 118  
 <212> DNA  
 <213> Homo sapiens

<400> 109  
 tttttttttt tttttttgcc acacacagca ctgggtggac ttttatttta aagtcaaagg 60  
 cacagcctgg ctgggctgag gcagtgacca tggatgcccc gccagaccc ccaaggcc 118

<210> 110  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<400> 110  
 aattcttttt tagctcattg gctatcctta gcgtacatta tgtatggccc aacacaattc 60  
 ttcttccact gtagcccagg gaagccaaaa gattggacac tcttgtttta aatagactat 120  
 ctttttacct ttttatttgt tccaactcag gataaatatc caagtatcta gagggcttat 180  
 gtgtgctatc tatacaataa aagatagtta tataaaaatg aagagttctc cataccatta 240  
 tataaacagg aggtttttaca ggcattagtg atactctgtt ggactcaatg ggtttttttc 300  
 tctcttatag ctatgaaaga ctttatgcca gtccaaaata tacaatgttg aaagacagg 360  
 tttgaaataa atattctccc ca 382

<210> 111

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<211> 519
<212> DNA
<213> Homo sapiens

<400> 111
ttttttttta atggttttga ctgcaaacta gtacttaggc tttcagcaac ttggcagtgt    60
ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg    120
aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggcttt    180
tttccaaggg aagagcttat tcttggaata tctatatggg tagtttttga atcattttacc    240
tctttatcaa tccctttaca ttcaataactt atactatgac caactgacct atgaccaacg    300
ttcaagtggg tactttcaga agtaaactgg ttctttccaa cagattcaga aatttcttcg    360
attagttctg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca    420
gggggacttc tggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt    480
tccccagtgc cccgaagggg attaggggta aatacccca                               519

```

```

<210> 112
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 112
gacacgkga cntctttatt ggaaaagaat aaagcagtca cngatgtggc aggggcagga    60
cacgagcagc tgccgtccyc cycccagsgt gcctggcatg gtcgcagggg agcgggtbcc    120
tggagtcccg gtgacaccac ggggcacact gagggagctg agggagccggg gccgcgcasc    180
tcctggdtgc tcagcggatc gtgtacttkt cccacttctt ttcagggtcg tagggttccc    240
agcggctggc gggaaagatg tgcttkttct tctcgtacca gctcctcagc accaccttgc    300
ctgcatgggr ctcatccttc tccacagtgg gsgtcaactga gcaaccg                               347

```

```

<210> 113
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 113
atctttctct ttattctgac aacattatga cattaaataa aanccaagng gtattggatt    60
agncttgtt tggncctctg ngatttagat aaggcagaac tgagccctc ggaatgtatt    120
atctcaaagn gctagtagca gctgctatgc aaagtcttaa ggcccgagtc aaatcctggg    180
catctccaca gatgtgtggt agggcacggg ctccagctct tgtgtaagaa agancaggan    240
tgagancagc tttattttgt aggcgccaag gtctcactat gctcacacct gtaatcccag    300
ctttgagaag aggatctggg caccagaagg gtctgggtag gaaggaaagt ggggaaaggg    360
tgaaggnacg ggaatctttt cccttct                               387

```

```

<210> 114
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 114
aaacatgttt attagaaaag taaaaaatat tgcataggnc ttaatacttg aacatcaagt    60
gtattcatga acagtgagta tcttancttc atgtaaacag tnctagatgg aagaccaga    120
tggcactcct cccggggngg gntnccagcc cccaccctct cagccctcc cctgccagct    180
caactctgca gtacacgatg ggggaaggct taaacgcagc tgccaggggg taatttttca    240
agtgtcaaag ancccaagtg atccctgnac acccaccctt tcctactctt acattcatgc    300

```

ggtctgtaag ataggctgcc tacaacaggg tcagtaggng atggctccga tcc 353

<210> 115  
<211> 195  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 115  
cataatacat atattttattg ccatcagagt tctgcaattc tcataaaaatt agagtcagat 60  
ggaattcagg gacacgtgca agtttttgaa atggacacag ataacagtat agaactgtac 120  
acaaaataat taccatttat taaacacact ggtttagnac accctggatg gatgagaatg 180  
ngcnccataa ttttt 195

<210> 116  
<211> 437  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 116  
cataatgcta atgcaagagg gcttgaagta tcaaagagtc cacaggaaat ggatgcccc 60  
agtaatatct ttttttttaa aaaaatatac attatataat atatattata tatataanan 120  
gctagtgtaa atgcttccat ggtgtggtca caaatttgaa agatgaacct cttttcagct 180  
gttaaccatc ttcccatttg caacagggtt taaaaagtcg tttttatctt ccnacataac 240  
atgnntttnc ntaatgaggt tgccagcact gacagatgtg gtgatgggga ggcaacttgc 300  
attgctaata gacactggga gtggetggct aaagcaagaa gttaccggca gaattgtttt 360  
ttgctcctcc agaatcacat ggtcttcacc taaactctgt ttcttctgct ttggtggctc 420  
cntttggtgc ngctgga 437

<210> 117  
<211> 366  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 117  
ttttgagagc tgatgacaga caacagcaag ctactttaca gaatctacca actgggtagg 60  
aaagtcttct gagtttcttt gcagacaaga aaagttacct gttgattgtt ggccaatcaa 120  
taagggactt tcctctctgc cattaagagc aacgatgctg accacatact ctgtgcctgg 180  
agtgagggtg gtgagggtga tggattccg agagtggggc acccgatctt ctcgagggtct 240  
ccactgaag tgctcgggat gatggcgat cctgtagcca gtgatgggtg ctcgaggagc 300  
aatccagtgc acagtaaaag agttggcagt aatatccaga aaagtcaata cccatttggg 360  
gantca 366

<210> 118  
<211> 295  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 118  
tttttttttt tttttttttt ttttctgaga tggttctcgc tacgttgctt aggctgtagc 60  
gcagaagcta tacacaggca tganggcagc acactacagt ctccaattcc tgggctcaag 120  
tggtccttct gcttcacctc ctgagtagct gggactacag ggacgtgcca cccacctgg 180  
catgatacct atttcacaga ntctgttact atagaaaaac agctctccta ctcaacttttt 240



ctgcaggatg ctctcccatg ctgtgggtag ttctgctgcc ggggtnatgc gcagggtactt 360  
 ctnggagagc cctgggccat nggaggggaa aattgcctng ggcngcctcc ctagggtccn 420  
 tcactnccct a 431

<210> 123  
 <211> 3323  
 <212> DNA  
 <213> Homo sapiens

<400> 123  
 tagtgggtggg taagaaaatt ggaagtattc cctcctcatt tgggtgggttg gtggctggga 60  
 atatctgttc ccttggaat gttttagtct actctgaaag atcgagaact gagctttcag 120  
 tcggctccaa ggtactacca tgtttctgca ttggctagtg ggaatggat atgtcttcta 180  
 ctttgctcc ttcatctac tactgagaga ggtacttcga cctgggtgtcc tgtgggttct 240  
 aaggaatttg aatgatccag atttcaatcc agtacaggaa atgatccatt tgccaatata 300  
 taggcacctc cgaagattta ttttgtcagt gattgtcttt ggctccattg tctcctgat 360  
 gctttggctt cctatacgta taattaagag tgtgtgcct aattttcttc catacaatgt 420  
 catgctctac agtgatgtc cagttagtga actgtccctc gagctgttc tgcttcagggt 480  
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<213> Homo sapiens

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<213> Homo sapiens

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<210> 137
<211> 3220
<212> DNA
<213> Homo sapiens

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<210> 138  
 <211> 835  
 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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	cagaggggaa	ctgtcaaaat	atagagtccc	aaaccttctg	gatctctacc	agcaatgtgg	360
	aattatcacc	catcatcatc	caatcgaga	tggagggact	cctgacatag	ccagctgctg	420
	tgaaataatg	gaagagctta	caacctgcct	taaaaattac	cgaaaaacct	taatacactg	480
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	acagaccatc	aagcaatata	attatcttca	tgagtttcgg	gacaaattag	ctgcacatct	660
	atcatcaaga	gattcacaat	caagatctgt	atcaagataa	aggaattcaa	atagcatata	720
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<210> 140  
 <211> 2439  
 <212> DNA  
 <213> Homo sapiens

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<210> 141
<211> 2261
<212> DNA
<213> Homo sapiens
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cgcccgaagc gcccccgca cccccggcct ccagcgttga ggcgggggag tgaggagatg 180
ccgaccaga gggacagcag caccatgtcc cacacggtcg caggcggcg cagcggggac 240
cattccacc aggtccgggt gaaagcctac taccgcgggg atatcatgat aacacatttt 300
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<210> 142
<211> 1488
<212> DNA
<213> Homo sapiens

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>210< 143
>211< 4839
>212< DNA
>213< Homo sapiens

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<210> 143
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<212> DNA
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<210> 161
<211> 997
<212> DNA
<213> Homo sapiens

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<212> DNA
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 <212> DNA  
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<213> Homo sapiens

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<212> DNA  
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84

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ggggccaggg aggaaggagg ccacggagcg ggaggcagcg cccaccacg tcgggcttcc 1740
ctggcctccc gccactcgcc ttcttagagt ttattcctt tccttttttg agattttttt 1800
tccgtgtgtt tattttttat tatttttcaa gataaggaga aagaaagtac ccagcaaagt 1860
ggcattttac aagaagtacg aatcttattt ttcctgtcct gcccgtagg gtggggggga 1920
ccgggcccc ctctagggac ccctcgcccc agcctcattc cccattctgt gtcccatgtc 1980
ccgtgtctcc tcggtcgccc cgtgtttgcg cttgaccatg ttgcaactgt tgcatgcgcc 2040
cgaggcagac gtctgtcagg ggcttgatt tgcgtgtgcg ctgccaccgc cccaccgcgc 2100
ttgtgagatg gaattgtaat aaaccacgcc atgaggacac cgccgcccgc ctcggcgctt 2160
cctccaccga aaaaaaaaaa aaaaaaa 2187

```

```

<210> 189
<211> 257
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 189
tttttttttt ttttttcata aatacacaat tttatttgct atttccaggg gaaacttagg 60
cattaaactg taagctgata aaatacgata cctaaaaaag tataaaagta taaatatccc 120
cttagaataa attttagtga attaagtctt aatatcttta aattaaaaaa accacaagcc 180
tatctactat gtcaagggtca aaaatcaaac aacgctaagc ggccancagc tccccagaga 240
ggatgcccg gagcccc 257

```

```

<210> 190
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 190
tggaataatg gcaacagaaa gactggctaa ctacaccgga gcatctatgc naataccagg 60

```

```

acaccacata tataaaccat gtcgtttccg tggctgggtg gggcatcagt gatgggactg 120
agtactggat tgtccggaat tcatgggggtg aaccatgggg cngagagagg ctggctgagg 180
atcgtgacca gcacctataa ggatgggaag ggcgccagat acaaccttgc catcgaggag 240
cactgtacat ttggggaccc catcgtttaa ggccatgtca ctagaagcgc agttttaaga 300
aaaaggcatg gtgacccatg gaccagaggg gatcctatgg ttatgtgtgc caggctggct 360
ggcaggaact ggggtggcta tcaatattgg atggcgagga cagcgtggta ctggctgcga 420
gtgttcctga gagttgaaag tgggatgact tatgacactt gcacagcatg gctctgctca 480
caatgatgca gtcagccacc tggatgaaga gtgacctgca acacaggnaa ccgatgggac 540
ctcagtcctt ttcagcagag gacttttn 567

```

```

<210> 191
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<400> 191
catatatata tgcagtctgc ttgattatca gcaaaatggg cagcctttat cagatagttt 60
cttcatgtgg agttcatctg catgtggccc ttactctgaa gcctcttctt gatctggagc 120
cacagtctgt ctgtcttcca gttcatctca gtcctcgaga aaggcccttt aaatatgtca 180
ctttccatt ttcctttaac catgggttgt gtgagccaga aagagctttg agaaagatgg 240
ctgcttccac cagggtggag gcttctaggt ctgcatgatg atggggcccg tttctggcca 300
gaggggtggc ctgggagcag ttgtgctgcg ggcttgctgg gggagaactc taactgttgc 360
agaaacagag cttcatggct tgcttaaatt acttagctgg aatattttta agtgtcagat 420
aatgtgatgt acaaagagag tatgccgatg catttc 456

```

```

<210> 192
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 192
tttttttttt tttatttttg ctaaatttta ttttcaaagt ttcaaacctt tccaattttt 60
ttttattttt taccctaaaa aaggtatcaa tacttttcat tccactcttg tcaacttttag 120
ccaaagcctt ctgagctgca gtcattttgc tatttttctt ttcagtcttc aaatcttttag 180
tattaaactt agtgtaatct tcttttgctt ctacaggctc atctgataac tttattttct 240
ttgatggagg atttggaat gaggctgaag gttctggaag ctttaagtat ttagataagt 300
catcacttaa ttcttttagg atgtagtcag atatcagacc atgggcataa cgaaatataa 360
tcctcttctt tgtcagtgga agcttggtca ccagagaaaa atgcagtgac tgtaccggg 420
gaactggaca ttcacattat tgggntttta atgctgccac agtttgatta accntttttt 480
tccaa 485

```

```

<210> 193
<211> 297
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 193
ctttttttca ggttaaatat ataattncaa gtgcttttaa tgaacttatt ttttaattggc 60
tagggagcaa aaaataagtn agtnctgctt ttagttagtt aaccttgctt ttttcttaaa 120
tagtacactg catgggtattt aatattccag gaagcatggg atttnatttt gcttgatttg 180
ggcacatgaa ataatagctc taggaaaatg cgcactctta tgactctttg taaagagagg 240
catttcttac aactgtgatg tttgcttaca taaaagttac ctcataagtt aattcta 297

```

```

<210> 194

```

```

<211> 1522
<212> DNA
<213> Homo sapiens

<400> 194
aaaagaggaa accaaccctt aagatgagct ttccatgtaa atttgtagcc agcttccttc      60
tgattttcaa tgtttcttcc aaaggtgcag tctccaaaga gattacgaat gccttgga    120
cctggggtgc cttgggtcag gacatcaact tggacattcc tagttttcaa atgagtgatg    180
atattgacga tataaaatgg gaaaaaactt cagacaagaa aaagattgca caattcagaa    240
aagagaaaga gactttcaag gaaaaagata catataagct atttaaaaat ggaactctga    300
aaattaagca tctgaagacc gatgatcagg atatctataa ggtatcaata tatgatacaa    360
aaggaaaaaa tgtgttggaa aaaatatttg atttgaagat tcaagagagg gtctcaaaac    420
caaagatctc ctggacttgt atcaacacaa ccctgacctg tgaggtaatg aatggaactg    480
accccgaaat aaacctgtat caagatggga aacatctaaa actttctcag agggtcac    540
cacacaagtg gaccaccagc ctgagtgcac aattcaagtg cacagcaggg aacaaagtca    600
gcaaggaatc cagtgtcgag cctgtcagct gtccagagaa aggtctggac atctatctca    660
tcattggcat atgtggagga ggcagcctct tgatggtctt tgtggcactg ctcgttttct    720
atatcaccaa aaggaaaaaa cagaggagtc ggagaaatga tgaggagctg gagacaagag    780
cccacagagt agctactgaa gaaagggggc ggaagcccca ccaaattcca gcttcaaccc    840
ctcagaatcc agcaacttcc caacatcctc ctccaccacc tgggtcatcgt tcccaggcac    900
ctagtcatcg tccccgcct cctggacacc gtgttcagca ccagcctcag aagaggcctc    960
ctgctccgtc gggcacacaa gtccaccagc agaaaggccc gccctcccc agacctcgag   1020
ttcagccaaa acctcccatt gggcagcaga aaactcattg tccccttctt ctaattaaaa   1080
aagatagaaa ctgtcttttt caataaaaag cactgtggat ttctgccctc ctgatgtgca   1140
tatccgtact tccatgaggt gttttctgtg tgcagaacat tgtcacctcc tgaggctgtg   1200
ggccacagcc acctctgcat ctccgaactc agccatgtgg tcaacatctg gaggtttttg   1260
tctcctcaga gagctccatc acaccagtaa ggagaagcaa tataagtgtg attgcaagaa   1320
gtgtagagga ccgagccaga aatcttagag atttcttgtc ccctctcagg tcatgtgtag   1380
atgcgataaa tcaagtgatt ggtgtgcctg ggtctcacta caagcagcct atctgcttaa   1440
gagactctgg agtttcttat gtgccctggt ggacacttgc ccaccatcct gtgagtaaaa   1500
gtgaaataaa agctttgact ag                                     1522

```

```

<210> 195
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 195
atcgcttgag gccacgagtt caagatgagg ttggcaacat agtaagacct catcactaca      60
atTTTTTTTT ttttaaatta gtgaagtgtg gtactgcaca cccgaagtcc cagctacttg    120
ggaggctgag gcaggaggat tgcttaagcc cagaaatttg aggctgcagt gagccatgat    180
tgcaccacta tgctccagag tctaggcaac agagtgcagc cttatctctt taaaacaaac    240
aagaatgaag ttaggtatct gtttatattg ttgagccatt tgtatttctt tttttgtagg    300
actgtcctgt ttnaaacgtt aaaatcactg ctgtngggtt tngattttta catctcagct    360
gggatgggca ccaattaaat tatttnaggc cctgggtttat tgnaaaaat                408

```

```

<210> 196
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 196

```

actcctcttg	ctcgatcatgt	ctggccgcgn	aaaggcgga	agggtcttg	caaaggcggc	60
gctaacacgc	gtnaaagtac	tgcgcgacaa	tatccagggc	atcaccaagg	ctnacatnnc	120
gcactttgct	cgccgctgcg	ctgganagcg	attctccggc	ctcatctacg	aggagactcg	180
cgggggtgctg	aagggtgttc	tggagaacgt	gatccgggac	gccgtgacct	atacagagca	240
cgccaagcgc	aagacgggtca	ccgccatgga	tgtgggtctac	gcgctcaagc	cagggggcgc	300
accctcttac	ggttttcggt	ggttgagcgt	ccttttctta	ccaattaa	ggcccttttt	360
cagggaacc	ccttaaaaaa	aa				382

<210> 197  
 <211> 839  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 197	gnnnnnngnn	nnnnnnnnnt	tnttgagnac	cgcagtngca	gcagcagcag	ccgctgncgc	60
	aaacaagccc	tcccacgttt	gaggggagtc	atgagccgtt	tcctgaatgt	gttaagaagt	120
	tggctggtta	tgggtgtccat	catagccatg	gggaacacgc	tgcagagctt	ccgagaccac	180
	acttttctct	atgaaaagct	ctacactggc	aagccaaacc	ttgtgaatgg	cctccaagct	240
	cggacctttg	ggatctggac	gctgctctca	tcagtgattc	gctgcctctg	tgccattgac	300
	attcacaaca	agacgctcta	tcacatcaca	ctctggacct	tcctccttgc	cctggggcat	360
	ttcctctctg	agttgtttgt	cttatggaac	tgcagctccc	acgattggng	tcctggcanc	420
	cctgatggtg	gnaagtttct	ccatcctggg	tattgtggtc	ggctccngta	ttttagaagt	480
	agaaccagtt	ccagacagaa	gaagagaact	gaggcagaat	atcaacccca	gggtggatca	540
	antgggttac	aagtggttna	aaannnnnnn	nnnnnnnnnc	nnntntntnt	naannnnnnn	600
	nnnnnnnnnn	nnnnnnnnna	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	660
	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	720
	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	780
	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnc	839

<210> 198  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<400> 198	cgaaaaaagg	aaacaaagcgt	tactgaaaag	aaggtaacct	ttgttgatg	tgggccttag	60
	ctccaggtcc	agactactac	tctatgttct	ccagaagggt	gctaagtcac	ctactgaaga	120
	gagaaccaac	tgactttcct	attgactcat	caggaaccag	tcctcagtct	ggtcaagttg	180
	tttcttattt	gtgagcagtt	caggctatct	cctgatgggg	atgaggccaa	ggctttctta	240
	tcttttggtt	gtctctgctt	aatggaggag	cctggcctag	gatggaggcc	tggccttagat	300
	ctttcattcc	acctcaggaa	tgagggttgtg	atctttcctg	tcctgaccct	ctctgaatta	360
	tgtttcaata	gtactcttga	ttgtctgcca	tgttggtgaa	gcaaatgaat	tattttttaa	420
	tgtaagtaa	gtaaataaac	cttagcccg	caaaaaaaaa	aaaaaaaaaa		470

<210> 199  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 199	cctcttggtt	tctgcagagg	atcagctggg	cctgtccctg	ctcagcctgg	agcagctaga	60
	atcagaggag	acgctgaaga	ggatagagca	gattgctcag	cagctctgag	tggggcgggt	120
	ggggccataa	acggttcctg	gtgactcctg	agtcttgcc	ggccctgggt	cccagcggcg	180
	gtggtgctag	aaggtcttat	gaagtcaggt	gacatttctc	actgtcacgt	ccacagcctt	240
	taatcgcagg	agaaggcagc	tatccaccag	gtacc			275



```

<210> 200
<211> 738
<212> DNA
<213> Homo sapiens

<400> 200
aatacagcgc attcaacttg caaacacccct tccactccca caaagagcaa gctgtcactg 60
gccaatcaaa acaatgaacc ataatgaaac agtttttctt gctccaccca ctcggtgacc 120
aaatttgaaa aaaaaaaaaa accgcgccaa ctcatgttgt tttcaatcag gtccgccaaag 180
tttgtatttta aggaactggt tcagttcata ccttccactg cgataggaat catgtctggt 240
cgcgggcaaa gcggaagagg cttggggaag ggtggtgcta agcgccatcg taagggtgctc 300
cggggataaca tccagggcat taaaaaacg gctatccgcc gtttggtctg gcgcggtggg 360
gtcaagcgca tttccggtct tatctatgag gagactcgag gtgtgcttaa ggttttctta 420
gagaacgtta ttcgagacgc cgtcacctat acggagcacg ccaagcgcaa aactgtcaca 480
gccatggatg tagtatatgc cctaaaacgt caggggcgca ctctgtatgg cttcggcggc 540
tgaatctaag aatacgcggt ctcttgagaa cttcaaaaaa caaaaaaacc caaaggccct 600
tttcagggcc gtcacaaaag tcgtttaaag agctgaaatg cgttgcgaga atgagtttgg 660
atgacagaaa taaccgtgac agcctgcata agaatgaatt gtgtttgccca tgaccggcca 720
cactgtgaca aaatttca 738

```

```

<210> 201
<211> 446
<212> DNA
<213> Homo sapiens

<400> 201
aactgaggca tcatggcagt ttaatagtga ggtatttaat tgcattttta taaaaaacat 60
tgcaaaacaa agtgacaata gggacctaaa ttctttggac ttacggtaga gatgcttgag 120
gattcctaata ttctacttct gccaacatgt caggtaggaa gtcacaaatg ttccccataa 180
gccattacaa actgggctaag gaaaatcagt catgactaag tccttgtctg catcacgctc 240
ctgcccctcc acacactgtc tgagcgtgca cttttctttc gaaggctaata ttatgaggca 300
ttctgcctga gtcagggcta ttgctaagtg gaaggtttga tgaacctccc agtagaaaat 360
gcaaggcctg caaaaatgcc gaacagctcc gatttactat gggcttataa tcaagggcaa 420
actatacaat aagagggttg gtatatt 446

```

```

<210> 202
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 202
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca 60
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctgt gtcttaccta 180
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa 240
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300
ctctttttat taatttttcc attattataa aagatggcca aatacataca tttctatgga 360
aaatgaatca agtcttatnt attttacagt taaaatttca ttattcctat ttttaactgat 420
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

```

```

<210> 203
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 203

```

```

gggtgttccct gagcgggttg tgcggggtgat ggataactctt ctgataactgg ctcttcgtgc 60
tataatattct tttctcacca agagcaggtg ccctttcaga aggggaatggg antngaggga 120
gggtcacaga aacacctcgg cactggggga aacgtggcct agcctctgng ancggcganc 180
agcgggccgga anactgggtg gctgcgggcc ggcgcgggtt cannaggctt ctttttccgc 240
ggacggagac actngtacag cccaagtctc gagnaacgc caacgccgac gccttctcca 300
acaaaagatg gcctcggact caagagtgcg gctccagggc aatgcagccc caacctaaag 360
atttagaggc ctcccgtttc gctggccccc agagccgncc accgcgactg cacttcccca 420
ncgataaaaag gtggtttcca an 442

```

```

<210> 204
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 204
tttttttcag taatacagat gtctatttta ttaaaaaagt taaaaacagg tggactgcag 60
ggctgtctta caaaatgaca agaataaat ctattggaaa aattttactt ttacaaatct 120
ttataggtaa ttgttcaatg tttgtacttg ttatttgaga ttttaccttt cactgataaa 180
gttacagtac attagatcca tgataatagg ttacattatt ttatttgcag agccctactg 240
cagtgatttg aacaactcct aaatagatgc cataataaag acaagacata tattgcattt 300
aatattaatt tattatccta ataagcaaca tgcaatctat tgaggaagct aaaataactt 360
ttggtcccct ttcttaaaat gtgctggaga aaccaccctt aaaatcactt tcccccgat 420
tcnngcga 428

```

```

<210> 205
<211> 413
<212> DNA
<213> Homo sapiens

```

```

<400> 205
tacagagaat ataaaaatac attcacttta ttttagaaaa atgaagactc atagagtaag 60
cttatcacia actggcctat taggagtcac agaattcaca ggaaacaatt tctgaagacc 120
agggtgcctgc tgccacctct ccaagcaggc cagagtcacg tagagaatgc gattcaggaa 180
gatggctcct cagagggcag ggagggttag tacggaggcc gctcacgtgg aaatgtccag 240
tgaaccaatg ccaaggaaga agataaaatt ctctggggct gaccacaaca gtgggggttg 300
ataaagacia accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa 360
ggtgacctct tttccctaa tcttctttca acccagagag tttaagtctt ct 413

```

```

<210> 206
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 206
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca 60
ctctgagaat atctgtcatc tgcttttgac accttataag ttgattcttg agcattaatt 120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt 180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc 240
tttctttcag cataagactt tgggtcaggg gaaagttagt ttattttgta atgtctgaca 300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg 360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct 420
gg 422

```

```

<210> 207
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc feature  
<223> n=a,t,g or c

<400> 207  
aagattatac gaangatttta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60  
tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120  
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180  
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240  
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300  
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360  
agtttgaaaa ataatttata tgtctagc 388

<210> 208  
<211> 421  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 208  
ttttntnttt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac 60  
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120  
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct 180  
taccctgtaa tttttaataa ctttataagg agcaaactgtg tcaccttaaa aatgtaccag 240  
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300  
ccttttctta caccagtatt caccaatcaa catccatgag gtgttttatt tgaccacat 360  
cctctttcct tttcttaaga aaatatttta tcacattcgt aaaagtatct gtgcttcang 420  
t 421

<210> 209  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 209  
tttttttttt cattattttgt taattttatt ttgattttta aaaggcatta 60  
ttcagtgtac aattaacaaa gaaatcagtt ttctactcta ctgtacttag gatgcttcaa 120  
aaacatcagg tgaaatgatc tatgctttta gagccagaaa actcaggcct cagcaactaa 180  
aacagagaat tccaaaattg taattacaaa t 211

<210> 210  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 210  
ttcttgcttt ctttaaactt ttattttaaaa gtccatgcta ataatgtgtt tacattttta 60  
cagttacatt atgatagaaa ctgttggtt ttttaaatat ctaaaacaat ggcccactga 120  
agaaaggaac aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180  
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagt gttgccaaact 240  
tatgtccctt agcattataa cattcttgag ccaatagtggt aaaaatacgc tgacaatttt 300  
ataggcaaac attactcaag gtatcttact ttccacttat tactaaagg aattaacccc 360  
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

<210> 211  
<211> 637  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 211

```

gaattgtgaa gctgtttatc aaatgttttaa gagaattttac acaagaatgt tttgacccca    60
caaaaaataa tgtgcctaag ctttaaacaa aattcacatt ttatttagat tgaaataaac    120
tatacaaaat tgattttctt caccaaaaat aacagcaata ttttccatat ttttctagat    180
aaaccacaac acttattttg taggttttcc aggttttgct tataaatcaa gatgaggcag    240
tatataagag tcatggaaaa agacagagaa aaaaaacaga caaatcagtt gtcagtatcc    300
atggcctctg attctgtctc aaccatgaaa cagaagtgtt caacatatac ctgctaaaaa    360
gcttaggaag atgtaggctc cacaaaggaa tgtaaacagc aacgagatgt ggaacaacag    420
caggcttttc cattcaaact ttgtcatttg tttcctttta gttcaagaaa gaccaaactc    480
acactggaaa tccctgtttg ggtgagctca caagcctttt ctccgggtaa tttcctgtaa    540
ctgtccaggt atagatttta accatacctt aaaactccct attagtcaag gnccaattgt    600
gggcttcncc tacacatttt ataatggta tccctcc    637

```

```

<210> 212
<211> 261
<212> DNA
<213> Homo sapiens

```

```

<400> 212
gagggaaaga caaaacgtat ttattccagg ccagggtctta aaatgcacac tgcacggttc    60
cctgttggtt tcagcaccag taaggaaaga acgtgcctta acggcagccc caccagagc    120
ctgctgcgtg gctgctgtga ggctcccat gaatccacgc agtcttcttc ctactgggtg    180
cagttggtga ggttttctac cctcacagca aagggtatcct taactataaa ttcacgggat    240
gcagagaaga ggacagaatc t    261

```

```

<210> 213
<211> 445
<212> DNA
<213> Homo sapiens

```

```

<400> 213
tttttttatt gttttatagt tttatttttt ttaaattgaca gttacaagtg cttttccctt    60
gatgggcaat gacgtaacta ttttcagtta ttagtaatgc cttaaaaagt aacagcattt    120
tgtctaaact gaacttatat aattgcacaa aagtcattgga aagcattaag aaatgctggg    180
aaagattgaa gttttctcag attcttgctc aattccaaga agccttgatt ccagtgggtc    240
ctctgattca aacaataatg atgctcaaac tcagtgcacac acaggtagag aacagcagca    300
caaccaggag aacccatgtg gtttgtaaca gtgaaattct gctctactgt taaggtttaa    360
tgatgcattc attcatcttt tcattaggag cataaaaaac acctcaaatt atattttctc    420
aggcttaaaa cttgttttga gctat    445

```

```

<210> 214
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 214
gagcacaag gtccacttta cttacatgaa ggaacataaa ggcattgagaa acagtcattc    60
caataaatgc aagacatgag cataaaagag gttctctgcc tttccagcgt tgttattaca    120
gagagaaacc tacaattatt ttgttaaaca aaattcaagg ctccaggact catctctgga    180
gctgatatgt cttaaatact attatagtag gaaagggaga ggagaaaatt cccacccac    240
tcccccgatt tggcccggtg agcttccctt tgaggggtgtg tgacttgcca tctgcaaaag    300
tcatggccaa aacaggaact aacaggccaa actaccatca atctagtctt ctacagcacc    360
ctaacagagt gccagggtcc tctgtcncct ccgcacctga ggncaaagtt ccaggaagtt    420
tactgccggt gttaggaggt gagctcaagt tcagtgtctg ncttct    466

```

```

<210> 215
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 215
tctgaaaatc agccttttta tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
tttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc 240
ctctacaggc acacatattc acacacccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446

```

```

<210> 216
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 216
tttttttttt tttttttcta aatgaagtgc ttttaatttt cagaccaaac atttttaata 60
taaaaacatt ttgataatat acaaacagca atcacaacag catccacatg gcagcaaggg 120
gaccagggca cagagnngggg gagcgggctg gggagggaca gttttcaggg tcccagttgc 180
ttccctggct tgaaatcacc ctggtcctag cagaggacag gttaaggctg ccagaggang 240
ngggtccctg acctgggccc ggagacagac tgcccaggca ggccctctga taccatcttc 300
caaccatggc agcctccagg aaaagccaga tccatttagg agataacagg aaggtggctg 360
tgattgacag gaaaggcaac atggttcctc agcatcctgc tgatcacacc tctgggaggg 420
gctgctggat tgaagaggac ctaagaatct tcctgggagc aggac 465

```

```

<210> 217
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<400> 217
ttcgaaacct aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac 60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc 120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag 180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc 240
tgcaccagcc cttccagtgc tctgcgcac cgggtgctgg catcacgct cctcatctcc 300
ttggggagaa gccag 315

```

```

<210> 218
<211> 382
<212> DNA
<213> Homo sapiens

```

```

<400> 218
tacatgtata ttattttattg ttgattctgt acaccaaagc gattacaagc agcatccagc 60
agaagacaga ccccccaacc ctgcccacca gggctgacac tctacaaaac cctgagggcc 120
tagaaatctg taaatgcatc gccaaagcact ggggctgatt tgcagtaatt ctctaagcaa 180
ggcaaacatg atctagcttt gaaggcagca tgaaggcagc gggttggtga gaacaatctc 240
tccttaagag aagaagatac ctggggcgga aggagttttc cccggaagtg gcttgcagcc 300
caccctctct gaaccacagc catggcttcc ttcccaaggc cactgctggc ttcccaacaa 360
cgcagattca gttctgactg tg 382

```

```

<210> 219
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<400> 219
cttcacacag taagatcagt gtttgctaag tgttatcagc caatgtacag cccccccaa 60

```

```

caccgtcaaa cgttgttcca gttatttttac tttaaaagag gatttaaata atgcgacgtg 120
ctttccactg agccactaag taggtgtgga cgcacaacct tcaacactaa ttgcccttta 180
ctaagccgac cagggtctaga cactaagcca gaaaagcctt ttccagagtt tcctcttccg 240
cacaaaagct ttcttctgt cactccaccc aaccaccag ctctccctt aagtgtttga 300
aagataattc tataagtctc etc 323

```

```

<210> 220
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<400> 220
tttttttttt caagtatatt tactctttat tgcattcctt catttgcatt aaacaatatt 60
ttttcaatac agtttttgac aaaacacaaa gacattaagc tcatttaaca agagacataa 120
gttaacacaaa tgtgtgctgc tttcatgagg aggaaagagg caagatctta gaggaatcca 180
ggatactggc caccaggaat cacaggatct cacaatacaa tccacttctt taaaagccac 240
aaaataagct aggggaagaaa acccaaaaaca aagaagatat gacatccaag tctccaccaa 300
aagtatacaa atggcaagat ttggagatga tctgctttct cacatgagga caaataacag 360
aggagccaca cccaagtgcc actgtggcca caagcctcat ggggtggcgtg tgaggt 416

```

```

<210> 221
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<400> 221
ccgaggcttc agttctgtac catttaatgc gtgcaaagga cattccatgg tgtctgctgg 60
gttcagggca actggctttc ccaaggcata caagaaaagt tggcagaaag tcctcccctt 120
taaaattcaa gcctgaaggt tttgtgtggg ggctactgc ccctaagtgc ttctggtgat 180
actgcagcac agtccatcaa aatagtttgt ggttttgcca tctgttactc cttatgccca 240
cctggagagg ggctagcatc tttaggtggg accacccttg gcacaacatg gtctctgagg 300
tccagatact ctgagggtag gggctggctc tctctgcctc cctatcccct acaagaggga 360
cagggagagg tagaacattg ggatcttt 388

```

```

<210> 222
<211> 353
<212> DNA
<213> Homo sapiens

```

```

<400> 222
gttatTTaag gatttgttta atgttttaaa attcaaagca ctttaaatta ttttaagaca 60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtggaaga 120
atggtaaaca gtccctcttt tttttaaaaa aaaatcagta cttaaaacca aaggaaggct 180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc 240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcca 300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta 353

```

```

<210> 223
<211> 366
<212> DNA
<213> Homo sapiens

```

```

<400> 223
ttttttcata atgatttatt tagataacaa acattaatgt gaaacataca ggctattggc 60
aaccactatt ctaaaattat gtaagtacaa ataaacatac tgaaatgtgt gcaattctaa 120
gttttttaaac cagaagattt ctacactaac acacatttat attaatgaca cataaaaaaa 180
ataaaaaactt tattacaaaa ataagttaca ctgcctcca gottacagta taaaacaatt 240
ttatttgcag gaatgcaaaa tgattgtttg ccatgagcat tttgaacata tgacatgtcc 300
gattttcttg ttaaatttgc atttactggg gaactggtgt gtataaaacc ttaattaagt 360
ataagc 366

```

```

<210> 224
<211> 535

```

<212> DNA  
<213> Homo sapiens

<400> 224  
attgataaac acagtaaata ttttttctct tccttatgat tttctaagta acatttttctt 60  
ttctctagct tactttaaga atacagtata caatatatat aatacatcag tcagggtccc 120  
agtcaataac aggctactag tacttaagac tttggggaat caaaagttat atgcagattt 180  
ttgactgtgc ggggcgtagg ggtgggtcag tgccctacc acctgcattt ttcaagtgtc 240  
aactatatat atgtatgtgt acatacacat acacatacac acacacacac acacacacac 300  
acacacacac acacacacga gtgtattaat tcctcagaag cccagccagg catcttagct 360  
tggctacttt ttaattagaa acaactattt tattcagaaa agtatacaca gtttagcaatt 420  
agaatcttct tatatacaga cataacttgc agaaggttaa gtctgaggac gctgttctgg 480  
gtaatttttta cagtcctttt tagctcctaag atccatgaca ctgcattttt atggc 535

<210> 225  
<211> 337  
<212> DNA  
<213> Homo sapiens

<400> 225  
tttttttaaa attaatcaac caacacccat tctattttaag gttccaaaag gaagtagctg 60  
gacccggctg cagacacact cccaccttgc ttctgtccca aaagtacatc ccctacgtgt 120  
ggttctcctt aaacaatttt aatgtctggg ttggggaagc aggtagagcg cgtagaggca 180  
gctgctagag gctggttgc gactccaggc cgcgttccag gaaatatcgg tgggaagaac 240  
ggggacgggc ttgggacct tcattgagga agtaggatgt gatcttcctg agtccctcct 300  
gattctcgga tgctgagtcc tcccatataa catcttc 337

<210> 226  
<211> 451  
<212> DNA  
<213> Homo sapiens

<400> 226  
acaagatgcc acttgcata tgctgtgggt gccttttcat tgcaatgcct ccatttcaga 60  
tgtgagaaag ttctgggcct gtagggcatt tcaagcctag gtgtgtattg tggaggaggg 120  
gatagatgtt catctatgca ccagatcctc agatccccga ggtgggttgc ggggaaggcc 180  
caggagctg atggataaag ccacagcttc agtcctggca gagttcactg ccaggaatgg 240  
ctgctgactg cggggcactg atggtgggca gccagggccg aggtgcaaac ttcttccac 300  
aaggagtcc aggtgttcag tggcagccag ttctcagtt aatgggtcac ctgctgctgc 360  
ggccactctc tgttgatgca gtaagccggt tgaggggctg caaggggctg gacaggacac 420  
cccgcaact ttccagccat tctgctggtt t 451

<210> 227  
<211> 423  
<212> DNA  
<213> Homo sapiens

<400> 227  
acattcagat gtttttactg cttgattaca tttcttggtt tcacatttaa gacttcaatt 60  
tataagaagt aaattatatg tttttcaatt taagaacaga tgaatgcagg aacattatga 120  
acattatgtt ggggaaaaca aagagacccc aaattaaaaa acaaaacaaa tcaaaacata 180  
actagtgtg cagctctgga gaacttaata aaaagtaaata caacttttaa atcagttaac 240  
tttggcgtct gaatacaaaa tgtttatcag tattacctat gtagatgact attaagggat 300  
gtgcagcatt ttcaaaatcc ctgtgtgtcc tttgtatgca tgtttggtac actgagttct 360  
gtggtcactg tcctctcttc agcagggttt ttttaccoca gtacgattgt ccatctctgt 420  
att 423

<210> 228  
<211> 385  
<212> DNA  
<213> Homo sapiens

<400> 228  
tgtgatgcag catcagggtc ttttacttca gtgaatgaaa aataatggtc acaactcaaa 60

```

tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat 120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg 180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc 240
cgtgacaggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt 300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg 360
ttcactcaaa gtatgatcct ctgca 385

```

```

<210> 229
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 229
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttttctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gccccgctcg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatgttg 207

```

```

<210> 230
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 230
aaaaatggta ttcattttta tttcaacatg tcaactgtgc atttccaaaa cagcaggctt 60
ttcaaaggaa taaatcagaa ctgtaaacac aagatacagt acaagttttt gacttcctac 120
agtcagtttc acaaatccac atactgtaca ttcatagggtg aggttaagcc tgtcaccat 180
ttctttatct ctataattac acaagcataa taaatacatc tgatttttaa ggtcacttaa 240
aatgagtcac aatttacagt acagtacgtt tcagttcaag tgcaaaaaat aactatttgc 300
tgaattctat ttctttcagt tattttatct ttaagctgtg ttttattgtg a 351

```

```

<210> 231
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 231
ctgggtgcaa ggaacatttt attccataac tgtctccacc gaagccgcag aagcaaagcc 60
aggagcagaa tccattctgc cagcgtctggg ctctggggag acatctgtgc cctcaccatg 120
gaggacagaa ggcagggggc tcccgaactc ttggctctgc ctgggggtgt cctgtccctc 180
tttnttgctg ggggacctac cccacntcc ccctccacc tcagtcacag aggaacaagg 240
gagacaaact gagggctctg cagtccccgt tcaaggncaa cataatagtc gtgtggcccc 300
agcccagcta ggcgcac 318

```

```

<210> 232
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 232
gaaaagaaat ctatttttaa tggctttggc tttatagcac gaagcaggca cccnctcggt 60
aaaggcacac agtcctctct tctgccccac ctctgggtgc cttaaaatcg agtcctgagt 120
tccagagggg tcaactgcaag gcagcaggga agggagaggg tcacagtttc actctgtgag 180
tatcagacac ccagggccaa ggcccagact ggcctctgaa gctaaagg 228

```



```

<210> 233
<211> 479
<212> DNA
<213> Homo sapiens

<400> 233
tttttctctt tgaaagttta ttgttttctt taaaaaaaaa aaaaaaccta taccttttat    60
attttacatt cacctctcag aatatattaat ggtaccggtt aacgatgtta taaaaaaga    120
ccaccacctg cttgaaatgg ctgcaaattt accatgttct ggcattaaag tgatttcaac    180
tctttggaca aattgggtgta acagtaagca ccgagatttc aaattcccag atgagaaaaa    240
aaaaattaat caggaggaaa tttatttagt aaaaattcaa agctaaagaa atgtgagaag    300
gaagccaaac ccaaaaaaact gtaaaaaata caatcttctc tccagaatta ggttaaaaaa    360
tacagtcaac cccattctaa accccatatt tcttagaaaa gtcaccagc cctgaacaca    420
gggtcttata cacaataca tgtagcttga tttgcagatc agcctctggg atcgacctt    479

```

```

<210> 234
<211> 388
<212> DNA
<213> Homo sapiens

<400> 234
tttttttttt tttttttttg catttcaa attttaatatg ttttatttcg caaagagaag    60
cctaagaatt tttttaaaaa catttccaga gagaacactt tataccataa aataaacttg    120
tataatttgg gaggacaaat catctcaaat gtatattttt gaattatgtg ccaattttat    180
aattagtaca aaaaatgacag ctgaaatatt ttaaaaaatgt aaaaaccagt ccaggcaaca    240
taactatacc atcttgctgt aaaagtactt atatcgaatt ccgcacaaaa tatttttgca    300
atatgctaaa tttagtctct caagtactc ttcaactgccc gctggctttt ccattttctg    360
ttgtctccat cccattttcc tctttaag                                388

```

```

<210> 235
<211> 536
<212> DNA
<213> Homo sapiens

<400> 235
ttacaggat cttaacttta tttagctctc tgtagaatta acatctttgc aaatatatta    60
ttcaaccaag catttgccat aaagataagc atcaactttc ccattggaca agtgatagtg    120
ttcaagctac ttgacttggt aaaaacaaaa aaccaccatg acttctcaac aaatacattt    180
taaaatgaaa tatgctcagg ctgataaaca aacaagatat taaaatggag actgacattg    240
aactacatag tcaacttgaa aaacacaaga agacaatgct cctataaaat gatataattat    300
tggctttaca aagacatact ggtttatggt tacaactatg ttttattttc aaatggtaaa    360
ggaaaggctt catgttgcta tttgaaagta cttctcaact agccgggcat ggtggcataa    420
ttcctgaagt aggaggatca tccccttgag gccaggaggt ccaggctgca gtgagctgtg    480
attgtgccct gaccatagct tgggtgacag agtgaactct gtctcaaaaa aaaaaa    536

```

```

<210> 236
<211> 378
<212> DNA
<213> Homo sapiens

<400> 236
gagagcacia ctccaaatca tcttttatta atataaaaag ggcataattta gcaaaagaca    60
cacagataaa agagtcacta tggctcagga cacaaggcag ggaggtgcca ggcctgtgcc    120
cctgctgggg gagaaggagg ctcgggacaa agtgggagaa gtgctgggaa gggctgagcg    180
gtaggggcca caaaagttcc ggtgggcaac actgtcggca ggtcatgggt gggactcatg    240
gggacctcgc tgctaactct tgttgtgggg ggggtgtcct agtgctgcca cctggagggc    300
cactccttgg ttcttgaggg ggacccacca agggacacag gacaggaagc ccaggatggt    360
tagtgcaact cgggatga                                378

```

```

<210> 237
<211> 455
<212> DNA

```

<213> Homo sapiens

```

<400> 237
tttttactgt atcttatttg atgatattta ttttctctgc caagctgtat agtaaaagga 60
aaataagtca catctgggtca ttggcatttg tatcgtcatt ctgtaaagac aaaagagtac 120
ctatataaga agctccacgt agtgcaaatac gacatctggg aggctgctcg cccccaggca 180
gcagctagag tctgtaattc tctgcgtcat cctcttcttt ttcttcattt ttgctttttc 240
ttcgcttgag ttcttctctg aaattatatg caaagagttg tgggtcttca tcacacattt 300
ttctgtatac atcacagagg ctcttaaagt gtgagatgga gagctggcgg ggccgaagag 360
tagggctctat gtctgccaac tctaacagcc tgcccgctgt ttccaagcgc tgcgcttcag 420
ggaataacat tctgagccct cgatggcagt atttc 455

```

```

<210> 238
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<400> 238
tttctttaac cgtgtgggtct ttatttcagt gccagtgtta cagatacaac acaaagtgtc 60
cagttagaag gaattcaaac ggaatgccaa ggtccaagcc aggtcaaga aataaaaagg 120
gaggtttgga gtaatagata agatgactcc aatactcact ctccctaagg gcaaagggtac 180
ttttgataca gagtctgac tttgaaactg gtgaactcct ctccaccca ttaccatagt 240
tcaaacaggc aagttatggg cttaggagca ctttaaaatt tgtgggtggga ataggggtcat 300
taataactat gaatatatct tttagaagggt gaccattttg cactttaaag ggaatca 357

```

```

<210> 239
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<400> 239
aacataaaaa aataaattta ttttgagtct gaaatactga agaacaagca tacagataaa 60
tagtacaaag aacaaaaatt agaacatgag taatgactta agacacaggc atttttctag 120
ctattgcata cagacacatt ttacacaca aacatatttt ttaaagacat ctctccaaca 180
ttctcaaaag gcaagagctg tatttggtgac atttgtaata aatgcaacag cttttgaaac 240
atccagtttc tttcctaagt catttgatta aaattcacac aagtgatgat tacctattcc 300
attttctgaa aatacgacat acagtcattgt ttcgatcaac aattgaccac atatgacaga 360
gatcctataa gattataa 378

```

```

<210> 240
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<400> 240
tttttttcaa ggattcacaa actatggcat tttatttcag agcctttgct tacatttgta 60
caatatatta cataattctt cattgtttgc agatccta atatacttta tagcttttat 120
tctataagct tttttcttca acattttgct gtcaacaaat ctttacagtc ctgtacaaat 180
ttgaataact tgaaccatt ttcaacaaaa ttagttactg taagcacaca ctacaagact 240
gaaaatgctt ttcttagaaa agttgaatgt aaaggattct gacacgtag catctacaac 300
aaaacgcatt gaaattccca cgtcgtattg 330

```

```

<210> 241
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<400> 241
tttacacaag aaagtgcctg ttacattggt gttttgtggt atttagtgat ttgttcagcg 60
ctcatctctt ccaccagact gcgcttcctg aggacaggga ccttaaagca cctcacatag 120
gggtgcgcgtc tggtagactg tcgccgagta ccagacaacc agtgtctcac acgggggaag 180
acgatgaaga cagcaatggc atccttggga agatgggcag gagaccccat gacacctggc 240
acctgggcct aagctgggag gccagcggcg tccccaggag accacggccc aggctgggag 300

```

cttgaccggc	cagacgccc	tgggtgggc	tgggcctccc	gcctgggagc	ctccagtgtg	360
gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 242  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 242						
gaaatgtaag	tatacagatt	ttaattttatt	tttaagaata	attgtatatt	ttaaaaacag	60
gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
agaaccattt	acactatggt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
aatagtgtt	caagaagagt	agtgttgag	aggataggta	aagagggcgc	ctcatcgtgg	240
aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
aaagacagct	caacccactg	gaacaaacag	actcccaatg	tggctggcaa	ctgcgggggt	360
agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaac	418

<210> 243  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<400> 243						
tttttttttt	tttttttttg	atcaccagca	attctcttta	atcctctttc	ttttccttct	60
aaaagctttt	gcaaagtcca	atttattttt	acagtaaata	gattatcttt	taagaaaacg	120
cactagcaag	attgtagcaa	agtgtgttta	tgcaaacagg	tgggtgcagag	acagaggggc	180
ggaccttgtg	ggcagctgga	ggaccatccc	agctcatggg	ccacgcacag	atgggagcac	240
ctcagtgttt	tcagccaaga	gaacacaagt	ctcgggatcc	atgtggctcc	ctcagggcct	300
ggacccaggc	aggcaggaca	cccttgacca	tggggcaggg	gacatcccag	catcttgtct	360
gtacccccac	cacctgcgtg	gcacctgggtc	ctcaga			396

<210> 244  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<400> 244						
caccactaaa	aaaggctttt	attacaaaat	gaattcta	aaaaccaggc	ctggtcttca	60
acccctcccc	ctgggtagag	gccctagggg	gggctagggg	aggggagatg	gggggtggggg	120
gcctgaaag	aacagagcag	gctgccctcc	tctcatcagt	ctcagctgct	gccctccttt	180
tataaagggc	tagaagagct	cttccaaagc	cccttgagag	agtccccatc	cttccaacca	240
ggatccttcc	aaccactgct	gtcacaggac	cttagcaatg	ccgcat		286

<210> 245  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<400> 245						
ctccctagga	aggatatccc	aaagcaaggg	catcttgaaa	agcatgattt	tctcggtaat	60
gtttgccaac	actgttact	ttccacatgg	tcacgactga	aaacacattt	accaatacct	120
ttcaagcgat	atgactacca	gaaatagatc	ttctttacta	ccctctctga	aatgagtaaa	180
caagaaataa	attcagaagg	taggcttttg	aaagaaaaag	aaaaaaaatt	gcttgcggt	240
tcacagtga	aaaaattgga	gtgtttgtgc	cgggttaagat	tttaattggtt	tcttaatcaa	300
aattctc						307

<210> 246  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<400> 246						
tttttttttt	ttttttctac	acacagtgac	tttattactc	tatggatgct	ggtgaactgc	60
cctccccaac	cagcttcacg	ggggcaggca	tctctgtcca	tcccatgcct	ttgggtcaca	120

```

gggggagcagca agaccaagaa gaccacagcc agggccctggg ttcagcttca gagccatcac 180
ccgctgcctc ccccaacccc caatctcctg agggaggaga attcctaggg acaagaccca 240
gacccctttc cttcagcctc tgcctcacca agggggcctg gcctgcgcc gagctcctcc 300
tggcctgccc ctcagggatc ccaggctcctc acctctgctc ttcaggcagg aaaagggcag 360
ggagagagga atggaggagg gagagggagg ctgggcgcag gagagagaag aggggggaag 420
gaggagaca 429

```

```

<210> 247
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 247
tctcaggacc caatagattt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaaag aaggaaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ctttttagca attttaatta atttttacta ggactttggt aacaccacag 180
aaaccctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtgga 240
atttaacaaa tacttttatt attttgaagc atttcatcaa ttctcggtgg aagcactaca 300
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375

```

```

<210> 248
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<400> 248
tttttcttct gtataaaaagt atattttatt taaaaacagt gatattgaca tgtatgttat 60
agcccttaca gaaaaataac acgtttttata gtccttttat ttgaaattca gtgtaaatca 120
ctcttaaaact ataaattcac agttgttgga ggtttttttt tacttttaaat gatgtgaaag 180
catttgttcc attcaaaggc ccttatgcct ttgaatgaca tattctcagt aacttcttgg 240
ccagtaacta gagtatgtga gactgagtaa ctagaatgtg catatttcat gaattagctt 300
cccg 304

```

```

<210> 249
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 249
tttgaaggga gcagagggga ggcacgcgag ccacggccac gctttattgc ttaagacgca 60
cacagaacac agaggaacaa acaaggagga aagggcgccca cacacagccc agaccaggca 120
ggagcggccc agccgcgga gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180
ccccctggga cgagggtcag ggacccagc actgcacagc tgcagacttg ctgggaacct 240
ggtacaggtg atacgcccac tctcgctgt tgtcagagct tctacctctg catccagcca 300
tgcacccacc atttccccac agggtagcag ggcagccttc cttgatccac agccaacct 360
tctctgctg tctctggctg tcagtga 387

```

```

<210> 250
<211> 324
<212> DNA
<213> Homo sapiens

```

```

<400> 250
ttgtcaatgt tagaaacatt tacttctgac gataatccat atagctttct ctgatgttac 60
acagcgatta catctccttg tgtctaaatt aaagtcaaag tatgaatttt aagatgattt 120
ttaattattt aacaagtaga aatacgatca gtgacaatta tcaattaaaa cattaaacaa 180
cccagttacc ttttcttaac agtcatgatg aaatatccct ttctgtctt atcagaagcc 240
ttaattattc tctaccacac acaccacaaa agcttcttaa tagagcatca gtgtccatca 300
cacctttgtg tagaatctct ggca 324

```

```

<210> 251
<211> 434

```

```

<212> DNA
<213> Homo sapiens

<400> 251
tttgtttaaag aatgctttat taatacaaat acacacaaac tctgaagcac taagaaattt    60
aaatatctat gtcacagcaa acagggtggca attcaacatc cagggtcgcac agaatgcttg    120
aaggagactg caacagattg gattcccatg gtggagaggg catcttcaca ggtgaagggg    180
ggcccagctg aaacagcttt tcaagctctc tctcctcgtc aaggatcatg agaggcactc    240
cactcaaggg gaggtgcgca atctggtgct cttcaggcag gtcaaaactc tcaaagtcta    300
gaggattgaa gggaaagaat ttttctatct ctggataggg atcatctgag gcaggaacag    360
agctttttgc tttaacagtc ttctcagtc tctttttggc agaaaagctt ggctgttttt    420
gtttgagggg tccc                                     434

```

```

<210> 252
<211> 337
<212> DNA
<213> Homo sapiens

<400> 252
ttttaaaaat gtaatactgt ttattttaact tcaaaaacat ttcagcattc taaacataca    60
aaaaaataac agaacgttgc gaatcgtggt taagtacagg aggttcttga actttcattg    120
atgcagtgc tctttgcttt gctgacaatg aagagttcta tagtttggtt aaaaacaaac    180
agttaaaaa ctaccgcact taaaaaaaaa aaatattctc atgccagctg accccccttt    240
gtccacagct aagatggcag cagaatgcta tgtcactata tacagaaaca agacaacctg    300
aagctaaatg gatgccccct gcagagtcaa cagggtcc                                     337

```

```

<210> 253
<211> 443
<212> DNA
<213> Homo sapiens

<400> 253
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat    60
atatacaact tgaacaaata caattttatc ataaaataca atgaaagcat ggcttttgaa    120
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta    180
ctgaagttaa tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc    240
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac    300
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc    360
acagccctgt aggaaagaag acttttcctta agagttaagg ggaaggatat taaaaacaga    420
ctaaaaggaa acaaacaaaa cag                                     443

```

```

<210> 254
<211> 463
<212> DNA
<213> Homo sapiens

<400> 254
gagttctcat tagactgggt tctaggcggg ctgctccagc tccataagga agcactcgat    60
gtcgtcatag aggctgttgg cgctggacag gcagaggctg aggctgctgc tatccagggg    120
agacacaccc tcacgctgcg tgccctctag gtgcactcgg cacagccagg gttccagctt    180
caccaggacc aggtctctct ccttgggcct cccagctgac aggtcctgcc cgaagcccag    240
gtagatggtg tagcgtgggg agccacggcg ctgccgtccc ggaattccac cagctctcgg    300
aagaagactc tgaagtcgaa gatgggggtg tcacagttcc gaggcagcag gcaggctggg    360
gtggaggggc tggcggacta ggggggccgc ccacctccca gtacaccttg cacttgccca    420
tgcgccgggg gcatagttgt ggcccctcaa gctccagggtg caa                                     463

```

```

<210> 255
<211> 404
<212> DNA
<213> Homo sapiens

<400> 255
tttgtttctt tgaattttat ctttatttct ccataagggc aatcagagaa atatgctttc    60
ctttttaaca agctcatctt taatgtggta gcaaagatgg aagggtgcgag accaaatctt    120

```

```
<210> 256
<211> 416
<212> DNA
<213> Homo sapiens
```

<400>	256	tttttttttt	tgttagaatg	aaaaatttta	tcatcactcc	tgttcacccc	gcagagtctg	60
		cggagtgc	aagggcacac	caataaggat	ccgagggagg	gggtctacat	ctgctttttc	120
		agccccaaa	gccatatatt	ggggtggccc	aatataaagc	tactcattag	tttgggtcct	180
		gagcagacct	gctaataaac	ctcaaaaaaca	caaaagtcta	cttcactagc	cagaaatgaa	240
		agcaggatct	agatctgagt	gggaagggca	gagggcagca	tgggttgact	ctagttggaa	300
		ttgtgccagt	cttctctgga	ggccgactca	ctcgtggagt	ggggaaaggg	gtggccaggc	360
		cccagtc	aaaccccaq	cctatgggaa	gtgatcccaq	gggaaqqgaa	qcaqat	416

```
<210> 257
<211> 193
<212> DNA
<213> Homo sapiens
```

<400>	257	ttttttttttt	tttttaggaa	cataaaacttt	tattgtcatc	cagcacctgt	60
		gatatgtttca	tgtctctcta	aaggagacag	gaaattggag	cattgtgggc	120
		gaaaagagga	gtaggtaggc	acaccaggt	gtttctaaaa	caaccaagcc	180
		atgctcctcc	cca				193

```
<210> 258
<211> 338
<212> DNA
<213> Homo sapiens
```

<400>	258							
gaaaaaatcaa	aaatttttaat	cttatcatct	ttacatacaa	caaacatgtc	aagacccccct		60	
attgtcctttg	aaaaggtccc	ccctcccccg	ccaaaatctg	tagaccataa	gtcttggcct		120	
acactgacct	ggtttgtaaa	atatcttcct	ctgtgtactt	ttcccttcag	cctcaggctc		180	
ttggctgatt	cgctcacaac	agaagcagct	tggctttcct	ctggaagtac	caatttgaaa		240	
gccaccagc	ccgcaaacct	agagtgtatt	ctccaccccc	gggtcacaga	acttcgttct		300	
ccccggctct	qtaacccaa	gaccctacag	cctctgaq				338	

```
<210> 259
<211> 224
<212> DNA
<213> Homo sapiens
```

<400>	259	aagccttata	tttttaataa	aaaataaaca	gtctctgaca	agcagttttc	60
ttttttttttt		aacaaaggaa	atttgagggg	gagaggtgaa	ggggtcagct	agggtaaagg	120
tgaatcccaa		gctcagatta	cccctgccat	tctgccaggg	cagaagggat	cagagtctgc	180
agtgaagaag		qcaaqaagaa	aggtggtcag	acttcaggaa	agac		224
cccaactqaa							

```
<210>      260
<211>      545
<212>      DNA
<213>      Homo sapiens
```

<400>	260						
tttttttttt	tttttttttt	tttttttttt	tttttttttt	tttaataaat	atgagcattt		60
atttggcacc	cgatggcaat	acaaaatcct	ggcagtggga	gtggaaaggt	tctctctctc		120
aaatacttcc	atactatgtc	gacccaaagg	caggacttgg	cagcaaggct	cacaaaccac		180
ccaaacaaat	atttattqag	caccttgact	actacaggcc	tagcattttg	ctagggacca		240

```

tgggagatgt gaaggaagtt atctcacaca tgatatgtct tcaaggagct aaaaatgcc 300
gtggataaaa gcaaaacaca tggaaaaaca aagtacaaat aataatccgt gtatatgtc 360
aaaaggaaca ttttatcaaa aggtaggatt gtagctaagg ttggcttgcc ttcttccctc 420
ttttattcaa caaacattta atgaaggccc actatgtgcc aagcacttgg tacatgatgg 480
tgaataaaac aaacaagggt tctgccctca tttacagcct ggtaggggag acagaaatga 540
acaag 545

```

```

<210> 261
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<400> 261
caatctgttt gggactttga gggctggggt gggaaggtag tggaatggaa tagataaaca 60
gccagtcaag agctgtgggg aggttgacag aattgggggt caggtagatg taggatacac 120
agaagctttg tgtctgtgga ggctgtatga gtctgtgggt gagcagcatg tctaagtggg 180
tggaacatg tatagctaaa ggcaggaact ctcccatcac agctaaaccc ttgttcaagc 240
aatttaaata aacaagaaca ttttaaaaaa ttaaaacccc actaaaacaa tccttgtgga 300
gcagttttct tgagtgttta agtagagacc agattcaaaa aaggattaag agaatgtcgc 360
ataaccaagc tgcagaaact gaaaccgagc ggggtgtgag gggagat 407

```

```

<210> 262
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 262
tttttttttt tttttttttt tttttttttt ttttttcatt tttagaaaaa actttattta 60
caaaaccaca actcagtctg ctttggtatt gacaaaatcc ctacaactga gatattaaag 120
agatacattt atttttagagt tacataaaac cagaatccaa cactacccta ctttcctatt 180
cctttgtggc tctgaatgca gctttaaaaa aacaaaacaa agcaaagcaa agcaaaacaa 240
aacagctctt tataatgtac aatggcttaa gcaaactcgt ttagtttttt ttctatttaa 300
gatttaggac agactactcg tctaaaattc actatttaca gagaagggtc tagggaacag 360
gataacttat ttaggtttag ctctcataat acaatatcca taatggct 408

```

```

<210> 263
<211> 308
<212> DNA
<213> Homo sapiens

```

```

<400> 263
tttttttttt tttttttttt tttttttttt tttttttttt ttacatccca aacaggtctt 60
tttattttaac ataaggccaa agaagctatc aggcgttgct gaatactgtc cactaactgt 120
acaaaatatt gactgcatgc ctgcgaaaca ccaaaatatc cgctggaatg ccatagaaat 180
aaataacttc tgctataaac acatgaaaac atatcaaaact gttatctctt taaacatatt 240
gtaaataaaa aaattaccag tacttctaca caataaatat taagaaacca ttgacatagt 300
tgaaatgc 308

```

```

<210> 264
<211> 702
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 264
tttttttttt aaaaagttga gtatttttat tgggtcttca aatctgggtc ccacagtcct 60
catttgatgt cactcttagc tctgtactga tctctcctct gacttttacg gagggcttgc 120
anaagtagcc tattgcagcc aaagtttcac tccaaagcta cctctctaag gtctaagggt 180
actatggtaa agttttatac aacagttttc cttaaaaata ttccacgatt tgttactccc 240
aaacaaaata agattatgca ccactcggag aaattagtca ttctgaagat gtctaagaac 300

```

tatatcactg	ccaaagaaca	tttctcagtt	catattcttt	ccttcaattt	tcattttgcac	360
atccacactg	tgggggttcac	aagtcactctg	ttttccatga	tcttatggtc	aagtcaagag	420
gacttagact	tatacatcat	tttccaacag	ctgggatgcg	attcacagtt	tggtgcatac	480
ccatatgtat	gaaaataaga	acctcactcg	gtttaatcga	taattcacat	cgagtctcag	540
attggcttgg	gcagtcttca	gtactcctca	catgagatac	tgntacaggt	gtcaggttca	600
ggtcacgga	ttgagtacca	gggctatcgg	accagagcgt	cagtgaagta	accacatctt	660
gctcacttcg	acttgacagta	accatagcga	cgggactgtg	tt		702

<210> 265  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 265	tttttttttt	tttttttttt	ttttttttct	tattcatcat	tcattcattt	60
atttgattag	ttgaaaacac	ttccgactaa	ggaagcagag	agcccacaat	cctgtgggaa	120
aacaggcctg	ggaactaata	tctcaggggt	agtgagggtc	gggccagat	cctcaaaggt	180
tccttgcccc	tgaaattgca	cctttgacag	ctgctgaatt	ccaagcacag	cgtaaagtgc	240
ttacatggg	gtaaccctaa	aaaacacact	gggcctcaga	cactcccgt	cacacacca	300
acctctacc	tgtggatg	ctagataagg	gttttctctt	cacaaaggta	aatcaactct	360
ttgctctctt	agggagggaa	ggaataaagg	cattattttt	gagacttttc	t	411

<210> 266  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 266	ggttcaacag	atacacactg	attatctaac	ttatcatcaa	ttggaaggct	tagttcctca	60
ttaaaccatgc	ttttcttatt	tcccatgtca	agttctggat	ctgtatatgc	aatgatatca		120
aactctcctg	accttaagag	gtcatccagg	ttgggatcat	tagtttccaa	attatctaaa		180
gtatccaatt	caactacctt	gccatcctct	gtatctaaat	ttaagttttc	aagatcttca		240
tcactctaagt	ctttgacttc	aacccctca	aggtctttta	catccagttc	cttcacagaa		300
gggtcatcag	aatcaagttt	ttcctctaga	ccatcagaag	gctgggtggt	tatctgtaaa		360
ttatcagacg	ttgtttcaga	cggtagacag	gttgacaaag	gagcttctga	aaattcacca		420
cctagtggat	ggttcagagt	c					441

<210> 267  
 <211> 474  
 <212> DNA  
 <213> Homo sapiens

<400> 267	tttttttttt	gatctgcaaa	attttattaa	gcaatagctg	gacaactggt	acaacttcaa	60
atcatcaaga	aaaaaataag	gagattaatc	cgtctcagta	ataaagacag	aaaataactt		120
ggacaaacca	catcgttttg	aatgcaaacc	attaatgcct	tctagaatat	ctcctgcaca		180
atctaataca	caaaatacgt	aagaagaaag	gcaaataagg	atgagctcat	taaaacgcat		240
ttgggagtcg	caacagatct	tgcttggaag	gtaaaaccag	caggatgctg	aattaaaaaa		300
caaacaaacc	aacactggag	gaactgaggt	gcacaagcag	tgacgcccac	tgccgaggtc		360
tgacatgaa	catgctgggt	gtctagtgtt	gtctggggcc	tatgcacctg	catcgtgcac		420
ttacggttaa	aaaaaaaaaa	aagggaaaaa	gaaaatgcc	gtagtaataa	actc		474

<210> 268  
 <211> 365  
 <212> DNA  
 <213> Homo sapiens

<400> 268	ttacttttag	aattttattg	acttttttct	tcataacttt	aaaacaaaaa	cagcgcatga	60
aaaccagtgt	cttattccaa	agtctcaact	cagctgattg	ccaggtgaac	atcaccatct		120
tactcctctg	aataactaga	cacaaattac	atagcaagtt	cgtgtttctg	cccacccaag		180



```

acacagccag taatcagtca caaacacaga cacagccaac tccaggggct ccagctttct 240
gcccatcttc tctcagcagt tctcccatc tgctaagatg cgccttcctg gtggctctct 300
ctcaagggtg gtcaaggctg aacaagacag aaaagcacag tctaggtcca ccatcacctc 360
ccact 365

```

```

<210> 269
<211> 273
<212> DNA
<213> Homo sapiens

```

```

<400> 269
tagctttgca caaatatttt aaagacaaat tcagctagtc taagaacttc atgaaaataa 60
aacaggtgga taaatacttc atgtgcacaa tgcactccat cagacgtcgt cggctgggag 120
aggaggtatg ttgatccttg gccttgtgaa gaatgctatc ttctccctaa aggtctgcac 180
ttggatgggc tctttgtggc tctgccacgc agctggtaga tctccttgga ggccttcttc 240
agcatcttct cagccgcctg ctcatgacgg tag 273

```

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<210> 270
<211> 383
<212> DNA
<213> Homo sapiens

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<400> 270
tttgaacata aaaattcttt atttaaccta atccagccag tattgagata gtttgctata 60
ttaaaaacaa gacgttttaa aaaattacag caaagttagc aaggcagtga ctaattaagt 120
cactaagttt aattttatat tcttcacagt catttcataa tcatgtaatg gtaaacaata 180
ttttcagcca ctttggagat aagttaactt ttgaaaagaa tagaattcta gtagtcgtca 240
ttgaatttta taaaagaggt ttaaaacatt aaagtttcca gaaataaacac agtaaagaaa 300
tatgaaaata aactggaaaa taaaatatac ccacccatcc gaaaaatcta catcatctct 360
ttcatttgtc cccaatgcct ttc 383

```

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<210> 271
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 271
tgcagacttt ctttaccctg gcagaccata tggaaaactg gccattagt atgtattttt 60
ctccccgggc tctgagcca ctggcgctcca agttgctcca tctgattctt aaattaattt 120
tcatcagttg taaaactctc aagtgtgcac aagaatgagc ctgtcttccc gtgtgaatgt 180
gtaagtacag aaagaaggtt ttaaatgcac atagacacac actcttcaac tgccatacga 240
agcgtctgct tccccagtca tttcaggaac catcagatta ttacggctg ggaggccctg 300
gagtccttaca aatctgagca tgggtggtggg cacctgtaat cccaacttac tccaggaggc 360
tgaggcagaa gaattgcttg aaaccgaaaag gcagagggtg cggtgagcca agatcgacc 420
actgcactcc agccta 436

```

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<210> 272
<211> 355
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc feature
<223> n=a,t,g or c

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```

<400> 272
acaattctcc gcagatttta ttaattataa cttttttttt cagacgtcct gccatcttct 60
cattcagact tttcttagca aaggtagtcc atggcaagta atgaattccc agtaactagg 120
tctgtaacag aagtaaattc tgtttttatg tttataaact caaaaagtaa catgaagtgc 180
aaacaccttt agttccttcc cctcggtaac cttcttttga tgaaccagt tgcagcaaac 240
caggatgaag ttggatttgg gtgggatcca cacaggtcat tttcaggcaa gatgagactt 300
cccaagttcc atgnatagat tcatattatc agttatttta tgcattcatt tctcc 355

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<210> 273

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<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 273  
tctgatanct atgtgaaaat tcttttcaaa gtaggtaaaa gccatcacta tatttcaaag 60  
aggtcacagt gacatcatat acaaaaggaa ccagattgaa aaagatattg ctgacatagc 120  
cagtagtgag attactaaag antaaacaga aatgccttgg gaaattattt ttacaccggc 180  
ttgaattgaa acattaaagc aaaatgaaag ctgtaaggng ttcactagtt ttcccaaag 240  
cgttgtcaag tttatt 256

<210> 274  
<211> 433  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 274  
tttttttaaaa acttttattt tagattcagg attacatgag cagatttggt gtgaattcta 60  
tttcaattaa catttagatt aggtatcatt tgaaaactgt tagtatttta ccaacattct 120  
gcatttcttt cttaagatac aaagtctgta ggagtctaatt tcttgataga aaaaaaaaaat 180  
gtgggaagga tactaccacc tcccatcaat tcatgttctt ctacttatac tgttcaaata 240  
tggaatgtc cctattctcc tctgtccctt tcaaaccaat tcaacctaaa ccaaatgttt 300  
aaggtgccct taaaagggca aggaccatta tacctatttc aggctggggg gnccaattna 360  
aaattgggga aagggatcct tagggntttt ttccctatg gcctttcccn ggaaccggga 420  
ggggggggat tat 433

<210> 275  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 275  
tttttttttcc taaggctcta cttcaaagtg ctggctattc aaccaactaa tctgaatagg 60  
tatttgatg gtgaggtaaa agctatttta aggtctgttc tcatctcact ttaataagg 120  
gaaaaaaaaatt gccatagtga ctaaaaaatag ttcaactgttc tgaaactcaa tgctgtttg 180  
ccaaaacaat attaatgatg catattctat gcattttttc cccaaatatg ggcactgtcc 240  
gtgcacaaaa ttcaggaatg ggaaccacg agatatttga aataacacca tcctctttac 300  
atgggttaaa aaagtcaaat ggaatccagt tacttttaatt taaaa 345

<210> 276  
<211> 331  
<212> DNA  
<213> Homo sapiens

<400> 276  
tttttttttg atggtggttg tctctaatat ttatttgtct gggtataaaa ttaatatgtg 60  
aggagcattg gatttggtga gaacgttttg aaccctagct gtcacgtgcc acctgcggga 120  
tctagaccag tgacttctca gaactgccat ttcctcatct ggtagacagg atggttaagcc 180  
ctgtcttgct cactccacgt atgggcagtg cagatgaaat gagatcacag aggggaagca 240  
attggcaggc tggaaagtgc tgacaaatgg aaggggttgt gtcaccaccc tcagctgagg 300  
tagtaccaag gtccaagctc ctgcccctcc c 331

<210> 277  
<211> 274  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 277  
nanaactgat agcctagcaa taccctaaatt agaatttggt ggctatcaat aaataatatt 60  
ttataagcaa cagaaacatt taaaaacttg gaagaattgt gataggctag ctaaaataca 120  
acctacaaaa taatttttgt aaggccaggn acagtggctc atgcctacaa taccagcact 180  
ttgnaaggc cgaggcaggt tgtattgctt gagcccaggg agttcaagac ctgcctgggg 240  
caacaaagtg aggaccccggt ctctccaaaa aaaa 274

<210> 278  
<211> 417  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 278  
gtaaacactt tgcttttggt ctgtgtctat actggcatct caggagagt agatatccag 60  
acctgatctt cagaagcact atgagccagt atccatcggc gccactgat agttccagag 120  
tgaggacagt gtcacagct agaactgacc gtccccacac ttcattctcc tccagggnct 180  
tcctgctgac accaggggct cctcaaaatt actccttctc tcacacatgg gtgacaaggg 240  
ttctcaaaaa gaacacctgg gcagagatgc ccactacagg caatgcttgt ggggtgggcaa 300  
gaagcataaa agaaccctca tgtnccaaca ccaggggaat gggattaang ccaggggggt 360  
acccatttgt aaacaaaaac aacttccaaa acccaaccgg ttaaacnggg ggaggtt 417

<210> 279  
<211> 227  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 279  
taaaaatttt tttccactac ttttaattgt cagccttttt ttttttttta aacaattctc 60  
tgtgccatgt atttaattct cacatcatct ccaatactgg agatataaat tgcatagaga 120  
ctgttagaga gttctaattt gttttatgca tgttttgcaa atttgactcc atgaaagggc 180  
attngaattg tgacttngtg tgcaagcatt gnccatgnac ataaaaa 227

<210> 280  
<211> 454  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 280  
agaacttttg agtaaaaaatn gtctctgttt ccaagacgtg tgagatgtct gaactctgag 60  
atgggtgtttc atctccaccc gatttcacca aaggggtgtc aatatcttta aagaactgat 120  
cttcagtagg aattgggtgag gtggcaaggt aagcaggaag cttttcatat tcttcttcag 180  
tctctcaac aaagaaagct tctccgttat caccctcaatt catgtgaaga tccactgcac 240  
tgccgttgat ttctatatca atcactttct ctttgggatc tcagggactc ccagctttcc 300  
caaaccgaa cgtggaaaag ggtgaacact ggatagcctg cccatcctgc tgctgtaccc 360  
acggatggac atcaaagca cccagagagg ggtggcctgg ggttaatgcc cttgtaggag 420  
ttccttcaca gtgacaatca cttgcccag ccan 454

<210> 281  
<211> 112  
<212> DNA  
<213> Homo sapiens

<400> 281  
ttaagaaata agaaatacat atatattgaa aaagtgataa atgtaggtat cctgagattc 60

tcaactataa aaagaacagt aatagcaatt tgaataatac acataaaaatc ct 112

<210> 282  
<211> 444  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 282  
tgaacaataa tatctttaat ataactgttt ttgtgtgcat agaaatcata taagtaaata 60  
aaaaaaaaaca acaacatgag attacatagg tggttataat acaaaagtga gaaaaaagct 120  
agtgtctgag tattgcatcc tggatataat tccctgatat atggtaaagc ataaaagaga 180  
cctatttctt caggagagta gctgacccac ctcagggcca tgactgctct tctctttccc 240  
cacagcctta gtactttttg ccaaaaggcc cagatttgag taaaggggaa cgccgtgagc 300  
gtaaggatcc gggcataagg gctgcagtct gttgagcttt ggcaggttgg tgttcgggga 360  
agtaaatttc ngaaggaatg ggttcctncc ctgntgggtt gttgggttgg ttgctgattt 420  
tccnggttgg gtaccaaggc gcta 444

<210> 283  
<211> 193  
<212> DNA  
<213> Homo sapiens  
  
<400> 283  
tggttctactt ttaaagatat ttaatgatgt ttttcaaatac agtacaaaaa tttaaataca 60  
aaaatgattt gctattgaca agtctcaaata ctgtcatggg aactcaaaca agttaccagt 120  
ctgttcaccg ttcatgtgat tctataaaaat atttgataac agtcacccac tacagacatt 180  
cttttcccct gtg 193

<210> 284  
<211> 217  
<212> DNA  
<213> Homo sapiens  
  
<400> 284  
taatttttcat agatcaattt atttagaatt acaaatatta agaatagaag atttatgcat 60  
ttcttaatta acataacagt ttagctaaat ataaactctg cactaaagtt ctgcagtggc 120  
acaataccaa caaagaatac ggaagccttt ttaaactata caaaaatttc aaatggaaaa 180  
taatcttggt tcagttttat tatacatata catataa 217

<210> 285  
<211> 176  
<212> DNA  
<213> Homo sapiens  
  
<400> 285  
gtgatttgcc aatgcataac agggtttcaa gtttcattaa tgaagggact caatcgcta 60  
gaacactaat ttcccttcca aagaagagaa caacgaagtt tgtgaaaggt gactcttccc 120  
ctcttgacc gtggaattca catttcatat tcttgatata aacaccagt gaaagc 176

<210> 286  
<211> 474  
<212> DNA  
<213> Homo sapiens  
  
<400> 286  
gcttaacctt tttttctttt ctgcgttttt tatggtggcc agagtgtctt gctgtactaa 60  
ggctctgaata atatccatta taggaccatg atctggatct ctgagacaag cttctttcat 120  
cccacggct tgaacagggg tcaacttaact tatctccttt actccatttt tctccactag 180  
gtgggtctata tgctcttaat ctctgcattt cctctttcca gtgaggagga gtttactgc 240  
tgtcatcatc atctgactca gaacaggatc ttgatcttgg aggtgtgtga tagcgaattg 300  
tgccccttcc tttaatcttc cgtccagact ttgatacaga tggtttctga tcacttacia 360  
tgggtgcaac atcaggaatc ttcggttcag gttctgcagt aacaacaggc atatctcttc 420

tcagtaaaaa tcggtttctca ggcactggag gaatctcttc tgggcgggac acag 474

<210> 287  
<211> 481  
<212> DNA  
<213> Homo sapiens

<400> 287  
gtcatgcaaa ttgattttat ttgtgaaaag attaagaagc cacagtaaata gaaaggaaac 60  
ggttatttaa actgctccct tgatagtcac aattatccag ttgagggtgt tctttgagag 120  
aagaatatag acaccaggcc caccagggtc tccgcattta ttttcaaggc caaagggaagt 180  
gaccctcgg aaaacaccct cgcacaacaa agggcttcca gaatctccat tgcacgagtc 240  
tcttcacact cggaggcttc cagcacaac catattcatt ccaatcacag ggttaaaatt 300  
atagtattt cgatcattgc agacttttct gtctatgatg gtgatattga cttctctcag 360  
agtatcggac caagatgcac tattgtgagt cctgccccac cctgcaactt ggcacatggg 420  
tcttggtttc acatcatccc ctttttaggt agatgaagga tagtcacata tttgttaatt 480  
t 481

<210> 288  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 288  
ttaaagtgtat aaccttaaat atttatttga gaaaacaaat aaagatccaa atacgtgagt 60  
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaaa tcttctccaa tccgaaaaca 120  
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180  
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240  
tgatcgagaa atgttttaga taaggcaca aaagatacca agaattgtta cactaggctg 300  
tacatcctaa aacagtcaga tgagctcact gttataattc tgggttcaccg caagaacctt 360  
agcacaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

<210> 289  
<211> 502  
<212> DNA  
<213> Homo sapiens

<400> 289  
tttttctttt taagcccagg ctttattcca gcctcttttt gaggaatttg actgaaaagt 60  
tcctctcttc tcggctgatg cgccgtccca tccctgggct ctagtgtagg gctcctacct 120  
ttggctccag caatgctgat gatgagggtc tgggggtccc gaggcagga ggcctccagg 180  
aaggaaccgg cctcagtcga cgccgtccag ggactgtggc tctgcctctc gagctgtagc 240  
acctgatttt ctatgcaccg aaactgccaa ggccagcttg tgttgtagag aaatggtcgc 300  
agatcaaacc tgtgttcctc agggctgtag ttctcggcgt ggtaccgggt gtgagcgtgg 360  
tcattctgtg tctgttcctg gactacttgg agaaaaaccg cttcactttg tcagcgacct 420  
gtcttggggg gcagatgtgt ctccacatgc cgaggagttt gcagaacatg ctgtaagggc 480  
ccattctggc caccttctctg ag 502

<210> 290  
<211> 289  
<212> DNA  
<213> Homo sapiens

<400> 290  
ttttcagtc cagaatgttt tatttttaaac ttactgtaaa actttcaaata acaacacatg 60  
tggaacagaa acaacagttc acacacaaca tctgccacaa ttctctttga actgccattt 120  
ctattatgtg atattttaca atttctttca atttcttaca ttcatgggat tcttaagggc 180  
agcaatgtca atttttctgc tttgaaaata gttcagttta tgttctgaaa ttgcttaaca 240  
tgacattttc ctttttagtat tctactgctg cccacactga cataattca 289

<210> 291  
<211> 398  
<212> DNA  
<213> Homo sapiens

<400> 291  
 ttacaaaaga aaacacaaaa ccagaattta ttgaaagtag gtaccagctc tgattagaac 60  
 aatcagctca aagataccat tactcagaac aatatataca aaaatctcag ggaaaggaga 120  
 ataaaagaac ttaaaagaat acaacttgaa caggactgtt ttactaaaat ggtcttggtg 180  
 caaaataata acaaatacca cagagagccc tacatgagaa agccatgtgc cttcaagcct 240  
 ggggatgagg actctagttc tcaaattctt agaacatagc acatgattct ccaggcagag 300  
 aggctggctg gagaatgagg acctcactgc tgactctgct taacaaagtc catgccccag 360  
 gcacaggcac acatggaatg aggccaccaa gcaagtc 398

<210> 292  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 292  
 tcatcttttt gttcactaat taatttagct gtgatacttg gagtatctga cactctgtca 60  
 agaacatctg ataatgttgt tgagactggc aaatgaagag tacggaattt gtggcctgct 120  
 ccatacattg gatgctggat gacgtggcta gtagcattaa ttctaccttt gtacagtgga 180  
 catggagact gaagaaacat tgtcactttc tcatcttcca gcatcaactg taaaaataat 240  
 cttcgtataa accctgaaat gttcccagat gttggaagg tccctctttg aggagatgtc 300  
 tgaaatagtt cacaaagaac ctgtgccatc agcttttgat tattaggatg gcatgaaatg 360  
 cactgtagaa agaacgcaac agttgcattc tcaattgctg tgcgctgttg agtagtcagt 420  
 c 421

<210> 293  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 293  
 tttttttttt tttttttttt tttttttttt ttgacaatga gaaaaaattt tatttatgac 60  
 gatcttgagc agtataaaac tcagaagctc cactgaggtg aaggaaacat ggacatgata 120  
 ctaagcaaag ctagtctttt tccataaaat gaataagaag tacatttggt ggagtttgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagttagt gacagatggc aattacatga ggatatttga acgaaggtag 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccacac tatatggc 418

<210> 294  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

<400> 294  
 tttttttttt caaaattaaa atccagatca tatttggaag atagacaggg aatgcttcct 60  
 aaaactgcct tgaaagtaaa agaaaaaaga cttgtcacca tctttggact gctcctttta 120  
 aaaaaatttc attaatataa aaaatattga gtgcttacta tgtgctaggc attgagctag 180  
 gagaaggcta tgtggctact aacaggatac acatgatcca tattctgatg gtataaaaag 240  
 taaaacagga aaaagaaaca gactgaaaaa tat 273

<210> 295  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 295  
 gatcaaaatt gaagacacat tcagaggttt gattgggtga gattaactgg tgtgggtggt 60  
 ggtgtatgta tgttttnttt tnatgtcttt gtatgtagtt ctacataatg caaattgtgc 120  
 tttctgatgg acaagacctc ataactgtga ttaatatcaa taaaaagggg atgttgtgga 180

aa

182

<210> 296  
<211> 211  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 296  
gatgtaacat ttgtnatttt attggaaaaa gctggtatta acatatttat agttttattc 60  
aacaattggg taatttgtga gacaccaaag aaaaaaagaa tgcacctatg agttacagag 120  
tccaaactga tcagggctga caacttgacc accatgtntc ccacaccacc acccccacca 180  
ccaccaccac caacagcttc gtcctcagag a 211

<210> 297  
<211> 407  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 297  
tagagacggg gtgtcaccat gttggccagg ctggncctcaa actcctgacc tcaggtgatc 60  
cgcatgcctc agcttcccaa agcattgtct tttattttnt attgttattt tntcaacatc 120  
taagtattta ttaagggtgag tttttacaaa caagcatcta tcccagtggtg cgggggtgagg 180  
atgggagagg agagtggggc agcaggaaga tgaggattct catcttttga taataaagct 240  
ccagggttca ncccattgtg gatctcatag tccccagag acacatgggc cttaaaaatt 300  
gtgtaccact tcttcaggac aatcttggtc caacgggggtg ccagtttagg gctgcaatca 360  
gcttcttaag ggtccccgat gggmatcanc cctgttgcca ttttaacg 407

<210> 298  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 298  
ggactctctc aactgttggt tgctcaattg tcggtacaga taggtaggat tccagtctgg 60  
agaaaccct aaaccactac accctgcctc agagtaggga agaattttca gtatgtatgt 120  
ggagacaggc tggattaggg agccttttga gtggcttctc taggatacct ttcttgctaa 180  
catgagcaag gttccccctc aggctgata aagcctgaag aggttagtta tttccctact 240  
agttctggaa gcatcttaat tcatgccacc ataggaggct gtcttccccct gctcctccct 300  
tgaatcacca cctagatttt aagttgcttt tctggagttt gatgatggaa accagttcct 360  
gtttcagggtg ccagaaactt tttttttttt tgagattgag tctcgctctt tcatgctgga 420  
gtgcagtggg gcgatctcag ctcac 445

<210> 299  
<211> 544  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 299  
ttaatttaaa gaaaacttct ttattaagta aatggacagt tggtagacag atattgcaaa 60  
aatttcaggg cgggtacatg aatgactgaa attcaggaga cgcggggagt tagcacagaa 120  
gcactttcct cattcagagc tcttttggtc gcgagaaaca gacacccaat caaatcagct 180  
tcancaaaat gagagaatgt atcctgacaa gggacgctca cagggcctaa aggaagagtg 240  
ctgggcccct ggaggactga gggaagccgg cagtcctctg aggcgggtgcc ggctgctctc 300  
caggcgcttg tgattcctct ggtccctgcc ttgctatgcg tatcttccct ctgagcagag 360

ccattttctc taccacattc atgcaggtgc ccatcccccg gaacacacac agacaaacac 420  
 acacacatgg acacagtcan agctccaggg tttctatgtg ttcaggttaag ggancctgcaa 480  
 agcctgaaca gcctccctaa atctagatgc ccancctttat cctttcagct ccatcagang 540  
 atca 544

<210> 300  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 300  
 caaatccaga attactttat ataaaagtac acattctaata atatgaaaag atattttatc 60  
 attattactt tactatataat tactgaatac accagactgc attttctcaa atggcaaagt 120  
 aggcacattt ctcttttgatt cccccaggaa cctccgcac atctgtcttt tggaggattc 180  
 agattcttac gacatctgtg ataccgtcca tgaggatacc aacgggtgctt agtagtaaag 240  
 aacattttgc taagttgttc tatcataggc ccttcctcaa ggtgttcaac tttttcttcc 300  
 aatctggttt tcagcacttg atcatgtgtt tcttcattat tatgcacagg atctggccga 360  
 gggatagggt ttgtgtgttc atatggaatg tccacagaag ggtggttagca tactattgtc 420  
 ctgccatcag aagtcagagc aagctcta 448

<210> 301  
 <211> 447  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 301  
 gtgattaaca ggacttttat tggtagtaaa ctagagcaaa caatcagaat aatacatatg 60  
 cagtattcag tacacacaat aaaagttaaa gaaattcaaa acctgtataa aacaaactgg 120  
 agaaaaatca tacagcttaa gagatacagt ggtaaagggtc ctctccatcc tttgattaca 180  
 gcttgactc tgtactcaat agaacttacc gcacttactg aaataagaaa taaacacttt 240  
 ttagtactca gcgtatttaa gattaagtac attttctaag aatcttgcaa tgacaagttg 300  
 gtgacccttt agctgctaaa gctaaagggg ggaaagtggg aaaaggaaat taactaatac 360  
 tttgtaacca tttttaatat ttentatatt ccaaactctg cttttataac agaagtgttt 420  
 tacacttggc acaatattaa ttacttg 447

<210> 302  
 <211> 282  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 302  
 ttcgggtgtt gtgtctttat ttggagacca ggagacagat tacagcttaa tgagaggaac 60  
 aacgactaag tgatctgatg ggaaggggtga gtttcctggc ccttaggaag caacagatgt 120  
 gatttctaata caacaaaaac tagtaagtct ggaacttttc agacaggaag ctgagaggct 180  
 accaaaacta aaagtgaag tgtctgccat caatgtgtaa gtctaaatta cnaataaata 240  
 cattaataaaa gcccnaaca ggggtacaa aaatttgtaa tg 282

<210> 303  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 303  
 ctcaaaaaca tcttttattg attttgtggc aagtactcca cagtcaataa ctgcacatc 60  
 tgcatatggc ctgcttgcat catcgtctt cagattttca atttgttcga ttacttcaaa 120  
 accagaaata accagtccaa agactacatg caccatcc aggtgtggag caggctttgt 180  
 ggtactatgt aataaacatc aacacaaaaga 210





<400> 308  
 ttttttttgt tttctacagc accaaagaaa ttcaaataagg aaaaggagag ttgagaattg 60  
 ggaatcaaga atcagccctg tttccatctt agccacacca acttatatct ttatgatttt 120  
 caaagctttt gccatgtgat tctgccccca caaaggcatc ggtatttcct aaatgggtacc 180  
 tgtatatgca gcgttggttt ctataccatc cttattcaaa acttgcatgt ggcacaaaat 240  
 ggggttggtg gcaccaaggt atattttctg ttgatttgat atgttctttg tcttaatctt 300  
 aggccaagga aaacaaacag ggaccaactt caaatccgaa cttctggatt ctgatcacca 360  
 aaggtcattg atccatggac atcaacatag gggacttgga tcaatttttg ggggtattgg 420  
 atttccatgg acagtttttt t 441

<210> 309  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 309  
 ttcatttttt tgtgtcatca aatctcatga tcagtttccc tttaaagtta acctggtagt 60  
 gctggttcag aagagcagct tttgcatgcc caatgtgtaa gtaaccactg gcctctggag 120  
 gaaatctgac ggtaaccttt cccatctacg cacctggaag ctcaacaaat tcccaacat 180  
 cttgcttttt ctgagtgcc actcgagctt tggttgttga aacatccac ttgggtacct 240  
 actgactgga aggcctgctg ggcttcaaga aagccaaacc aacgttttac atgaactggg 300  
 agctttcttc tgtttcaact gttcttgcca ggggagccat ttccctttta ggggggtgggc 360  
 cccaaacaca ataaatcctg gcttaaactc aaggagggtt tcccaactaa ggtatggttc 420  
 tcaggaggac agggcaatgg attgaggttt 450

<210> 310  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 310  
 tttttaaaac ttttaactaa aaagtaaact ttaatgtcga aagtgcacac ttggggaagg 60  
 cagaaaacat cacacacaag gctgtcactt cacacttgga aggttgacac gcggccgggc 120  
 agaggcgctc ctcaactgcc agacgggggtg gcggccaggc agaggtgctc ctcaactttcc 180  
 acacggtgtg ggggcccgggc agaggtgctt ctcaactccc agatgggtgct gggctgtcgg 240  
 actccattgc tggatgtgtg acttgggttt aagcttctcc cttctgctct catctggaaa 300  
 tgctgacagc ctgggcattt cctcctttgg cactggagac tgaagcctgg caaggcctgc 360  
 cctcagcagg aactccccct gggccccact ctgtgacct gagcccaaga caggattttt 420  
 cctttacctt cttccagcca ctttgggcct cccggctctc tcagaagccc tgtaggttag 480  
 gtgacaac 488

<210> 311  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 311  
 ggctttcata attatatttt tcttttaaag aaaaatatca acccattgtc aatgcactgt 60  
 ttttcaaagc atttaaataag agggtaaaac cctttggaaa ttaatacaga agaaatgatt 120  
 cactttatgc ataaaaaata aataataata tagctgagac atgtggtttg cttctgctct 180  
 tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt 240  
 gatacagggt ttaatttaaa cacatacaat gtccaccccc aaaccttctg cccacatcta 300  
 caagttttat ttattttgtg ggttttcagg gtgactaagt ttttcctac attgaaaaga 360  
 gaagttgcca aaaggtgcac aggaaatcat 390

<210> 312  
 <211> 484  
 <212> DNA  
 <213> Homo sapiens

<400> 312  
 tttttttttt ttttttaaat gcaacatata aactttattg aacaaaagta aactgtttca 60

```

gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaacatc 120
ttacagtaac ctacttgcag ttgcatttaa ctgagctctg ttgctgtgaa gaatacagct 180
catgcacagg tatggatgaa agatttgtac atttctcaag tattcactga atactacctt 240
atatacacat atacattaaa tttgaaaaag atttgacgat cccagataa acttcatttt 300
tgttgatctt ttggaagagg tctgtctaaag agaagaatat gtggttctgg ctcatgaatc 360
atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420
catcagatga gttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt 480
acta 484

```

<210> 313  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

```

<400> 313
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tggaacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggagggtgaaa aaaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

```

<210> 314  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

```

<400> 314
tttttttttt ttttcccgca gtcacaaacc attttattac ccacattgtg ctgtgacagg 60
gaggggtctc caatgaagag gacctagcac tgggaaggta tagccccaga agagaagagg 120
cttctttctc actgtgaggc agaaacaaat ttatctgtat gtaaaccttt ccagtaatgg 180
gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acaccattc 240
tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300
gtgcatcccg ggaagatgtt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360
atccaattag accgagggtgc aaaagccaat gcgtcaacat c 401

```

<210> 315  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

```

<400> 315
tttttttttt tttttttttt ttttttgagg tttaaaaatc ctttattaaa aaaccccaaa 60
cggaaatgtt ccaaaaaaaa taaacacggt tctattaaca tatccatta atcctattag 120
ttggaataag atttaaagcc caatttgga aagcttgcag aatttcttcg gaaattccta 180
aaaattacgg taggcaaaaaa cttacaaaaa catatgctat cccagggcgg ggaaggaaa 240
aaaggggaag gggctacaaa ggccccgggg gcatcacctg cccacctggg acccaggggt 300
ccgggaaact gtcccgtaac gggaaacctt cggggatgta aagggtcata agttacaagg 360
cttttttggt ttaaaaaaaa aaaaagggtc gtactttcca ggccaaagggt gaaatggccc 420
aaacaccctt taacgctttc aggtcccca ggccctccat tggggtggga ccccttagga 480
acaatttcgg ggtacaaact ttcccgaat ttaggcggaa actgtccggg aaa 533

```

<210> 316  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

```

<400> 316
ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60
actctccatc atctttggct tggagtacaa ctccgtcctt ccatctaata tgcctgtctc 120
caatcgttct cccctttgat gtgcagggca gccactgatc tctctaacat ttacagaaga 180
atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc agttcaaact 240
ctgcaatgtg gcctacacat ctctctagct tcacctcctg ctcaatatcc tacagcacag 300

```

tgaagttctt ggtggctctc aaaagggccc tcaaacttca aacattccct tcaacctaaa 360  
atcctcaatg gacattactg agtc 384

<210> 317  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 317  
ttttttttta ccctggatga tgattaccat tgttgctaata agttttttatc taagtaagcc 60  
tatgcttgat ttctttcaga aaccattttca ttggatatca ttttttctaa ggtttcattt 120  
ctcccaagtt tgtttttttc aataggatag tcagttgaca aaatgttttg cattcttata 180  
ctatttattg tttacattta aaattaggtg caaacagcta gtttctcaaa tgacctccta 240  
attgactttt tttctttaag ataaaaagtat tgggtgaggg actggtttat aagcatttgt 300  
ggactttgca gccttatctt taaaaaaaaa aaaattaaaa ctgtggctct taaatatcct 360  
gtctgaactt tggattggaa ggcacatttc cctttgttat tggctatgta gattagctta 420  
gaatctgtaa gcatatagtg tggtta 446

<210> 318  
<211> 470  
<212> DNA  
<213> Homo sapiens

<400> 318  
tttttcagga tgtgacaacg tttttaatgc aaagtcaacc attagcatct ttcccatgta 60  
cttattagat gtgaaatggc aggacttcac ggccccggtt gcataatttc ctactccgca 120  
gacgaataat attttcaggg aaggcagcgc agtctgtgcc gtcacaatcg ggcgactgtg 180  
ggtgatgagg gatgatgatt ttccaggagg ccctgggggc agaggactcc tagaggagg 240  
ttccagcccc tcaatcgag atggatggcc tgttgatgtt gtaactgggg tggaggttga 300  
gccggtcaca ggaggatgat cagttatcgg gccagtcac gatgcttttc tccaggtaaa 360  
cattgagagt attgttccgg aacattccac ccgctgcaag ttgttgggaa aatttattcg 420  
aatttgata aaatacttta ggcattctcg gcacgggtgg ggctctgctc 470

<210> 319  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 319  
agtcccagag ccagtgttta ttagcaagat ggaacccaaa ggcggctgtg gcctgggcag 60  
cagaaggcca ccaggagccc ccacccatct acccaactgc ccccagagc taattacatc 120  
cacacccatc ccctgaagtg gtggacataa gggagccctg gggagcctct accggcccca 180  
ggcctctacc acggaccccc tcccctcaga gctggggcct ccgctcagct ctgcctgggc 240  
ctggccctct gctatgctcc cagcctctga gtcaaagtgg cacagggaaa gctaaggagg 300  
tagagtgggg tggccctgcc tggccaggcg gggaggggag aaggggctga aggggctgtc 360  
ccaccaggc aggatgctct tctcctatcc ccaataaata g 401

<210> 320  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 320  
tttttttggc tgttaaaacg ttcaccccca caaaagggga gtggacagat ttattgaaat 60  
caaactggga aaggagcagc tggacggctg gactctgggc ccagcccagg ccccgctctgc 120  
ccaggatggg cccttgaga gaggaggagg aggcattggg cctgcagctg ccacaagga 180  
agcgcccttg gttacttcca cggtgggggg cctcttgga acctccaatc tggaaagaaa 240  
accaagggcc aaagtcacat ggacagggcc agagaaaggg actggggagg tggaaagcag 300  
gcagaagcag gctcaggagc ccgcagttag ttaaactgtg cttctcaagg cggcctgggg 360  
ggtgtgggtg ggggctgcca gccttgacgg gggcctaggc tgg 403

<210> 321

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<211> 225
<212> DNA
<213> Homo sapiens

<400> 321
ttaagaacaa agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg    60
tccgtacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct    120
cctgcctggc acgttcgttc gtctcccgtg tcgccgtaag accctgagac cccgagcctc    180
tgcaggagag acgcacaaag aagcctcctc cctgtggcct ggctc                    225

<210> 322
<211> 253
<212> DNA
<213> Homo sapiens

<400> 322
taactcccag tcacctgtt ttatttcaac catggagaaa agtacagagg aaaggctgca    60
tatggagaga ctgtcgggct gacggtgtca cagcagatcc gagtccacgt gtggaaacag    120
cagccgcccg gccctgggtg tttcctccag gaaaggcctg gtcagtgaat gcctgcaggc    180
agcaggggtg caggaatcac ctgccgatg ccagcgtctg tcttgtctgg agggccagac    240
tgtcatgaag tca                    253

<210> 323
<211> 345
<212> DNA
<213> Homo sapiens

<400> 323
gggttaaata tttattaggt ttgttttaac caggaataaa tacatgattt agcaaagtgt    60
aatgcttccc actgagaaat ccctctgggt gctccccaaa tgttccaatc acattcgtca    120
caacggaaaa caacacataa gatactgtgc agacatctgg agttcagggg gtcacctgcc    180
ttatgcgggg agtcaatgtc cacagtgtta cattcatttc tcatacgttg gctggttcct    240
ttgaaatagc cttttggaac ggttggggaa accacagatg tctccttgta taaacacact    300
agaatctatg atacagaaaa ctgtgtaact gcacatacac atacc                    345

<210> 324
<211> 382
<212> DNA
<213> Homo sapiens

<400> 324
aattcctttt tagctcattg gctatcctta gcgtacatta tgtatggccc aacacaattc    60
ttcttccact gtagccagg gaagccaaaa gattggacac tcttgtttta aatagactat    120
ctttttaccc ttttatttgt tccaactcag gataaatatc caagtatcta gagggctctat    180
gtgtgctatc tatacaataa aagatagtta tataaaaatg aagagttctc cataccatta    240
tataaacagg aggtttttaca ggcattagtg atactctgtt ggactcaatg ggtttttttc    300
tctcttatag ctatgaaaga ctttatgcca gtccaaaata tacaatgttg aaagacaggt    360
tttgaaataa atattctccc ca                    382

<210> 325
<211> 519
<212> DNA
<213> Homo sapiens

<400> 325
ttttttttta atggtttga ctgcaaacta gtacttaggc tttcagcaac ttggcagtgt    60
ttgtctgatg cagatactgc acccagtttt aaaaaaggct tattactaaa taaactagtg    120
aagttaacaa ctgaaggagt aatagtatga atgctggatt cagaagtcaa acttggtttt    180
ttccaaggg aagagcttat tcttgaata tctatatggg tagtttttga atcatttacc    240
tctttatcaa tccctttaca ttcaatactt atactatgac caactgacct atgaccaacg    300
ttcaagtggg tactttcaga agtaaactgg ttctttccaa cagattcaga aatttcttcg    360
attagttctg tagtagaact taaaagtaat ggattaggag ccaactgtga agaagtttca    420
gggggacttc tggttaaagg attaacagat acagtaggtg atggggaagg gaagatgctt    480
tccccaagtg cccgaagggg attaggggta aatacccca                    519

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<210> 326
<211> 393
<212> DNA
<213> Homo sapiens

<400> 326
aaatttaaata aacttttatt ttggaatgat actagattta cagagaagtt gcagagatag      60
tacaaagagt tcctgtatac ccttcaccca gcctacccca aggtcaacat cttacatcac      120
catggtacat ctgtcaaaac caagggactg aaattggtat attaactaaa attcagactt      180
ttttcagatt tccaattttc ccactaatgt cctgtttttg ttccaagacc caatccagga      240
tgccacattg cactgaagac actctccctt ttcaattcta ttactggtca cctcagtcaa      300
ctttcccggg gaaagagaat gcatgggaaa agctcttgtc cttattattg aactggagaa      360
actgaggctt aaaagtgccg agtgaccaag ttc                                     393

```

```

<210> 327
<211> 277
<212> DNA
<213> Homo sapiens

<400> 327
tgccgtccyc cycccagsgt gcctggcatg gtgcgcagggg agcgggtbcc tggagtcccc      60
gtgacaccac ggggcacact gagggagctg aggagccggg gccgcgcasc tcctggdtgc      120
tcagcggatc gtgtacttkt ccacttctt ttcagggtcg taggggtccc agcggctggc      180
gggaaagatg tgcttkttct tctcgtacca gctcctcagc accaccttgc ctgcatgggr      240
ctcatccttc tccacagtgg gsgtcactga gcaaccg                                     277

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<210> 328
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 328
actggagtct tctgagatct tattaatgt tttatttctt aacattccta catattaata      60
aatgtcctat ttcttaacct gatagtgggt acatgaatgt ttatnattct gtaaatacata      120
ttgtgcttat gaatngtttc acaattaaana aaaaaattca tcccacctat tcccnttgcn      180
caggttccat gtcattaaa gacc                                     204

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```

<210> 329
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 329
ctcataaaca annantttat taaantacat gttacataaa agaacatata aatggaccat      60
taaatacatt cagtttattt taaacaaatt tacatagata cttattttaca tttctccatt      120
gtattcttaa attatttttc caagcttact accgataaan ggtaatacaa tgatcatctg      180
ctcacacaga tgcatagaga agttgtccac agggctnagt aaagcaccac ttcccagggg      240
nacacngctt attagatctt ccagcaacaa ctcattgctga aggtgctctc ttctgaggca      300
gcccttgagg gtgaggcttt tgcttttagga ggttgctggg gggttggggt ctgagggagc      360
tgaccggggg cagcggatgg ggtccttgct gntttgaccc gacttgggac                                     410

```

```

<210> 330
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```
<400> 330
tttttttttg ttgagcagtt gtttattctg gccctcacag ccttggtagt tccacaaagg 60
ccctggggat ggggaacagg ctacaggaac ccacctgtct tcctggtcag ggcccctggc 120
ctnagnacagc aggccaatcc tggtngggca caggggtctg tgctgttgge tgcctacctc 180
tgaatatcct ggccagcaag ccatgccttc ccgcccctg ggccctggga gccnttnagc 240
tcctntcccc ataatgggtc ctgggcctag gatgagggga aggtcccagt ttctttagg 300
gtnttatcta ggggtnctg 319
```

```
<210> 331
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 331
aanttgatatt tttttagtag atgggggttt accatgttgg gtaggctggt ctcaaactcg 60
tgagctcagg tgatccaccc gcctcagcct ccaaaagtgc tgggattaca ggtgtgagcc 120
accacacctg gccaatgggc atnttctttg gttgaatttt aaaatattat tttttatcat 180
ttaccatttt ctagggcatt ttaagaccca atttattctg ccacaatcat gtcacagaa 240
tagtcaaag aaatgacttt catttgaatt ctactatta agatttaaaa ttgtggaaaa 300
ctaaagtggg gattggagta gactgttagg gattagntcc taggatgg 348
```

```
<210> 332
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 332
ngagccagaa aaggattttt tttaattcaa gtaactgaaa taggaaacca gagggggagc 60
cccaggctgg gataaatcat ggctacccct ccccaacaga acagggggag gaggtggccc 120
ctacaccat tatggctgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gcccagccc 240
ctnttcccc caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaa ctctttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaagg caagggntgg gggatgccgt ntaaggagg cggangcagg canttttgg 419
```

```
<210> 333
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 333
aaacatgttt attagaaaag taaaaaatat tgcataggnc ttaatacttg aacatcaagt 60
gtattcatga acagtgagta tcttancttc atgtaaacag tncatagatg aagaccaga 120
tggcactcct ccggggngg gntnccagcc cccaccctct cagcccctcc cctgccagct 180
caactctgca gtacacgatg ggggaaggct taaacgcagc tgccaggggg taatttttca 240
agtgtcaaa ancccaagt atccctgnac acccaccct tcctactctt acattcatgc 300
ggtctgtaag ataggctgcc tacaacaggg tcagtaggng atggctccga tcc 353
```

```
<210> 334
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<223> n=a,t,g or c

<400> 334  
cataatacat atattttattg ccatcagagt tctgcaattc tcataaaaatt agagtcagat 60  
ggaattcagg gacacgtgca agttttggaa atggacacag ataacagtat agaactgtac 120  
acaaaataat taccatttat taaacacact ggtttagnac accctggatg gatgagaatg 180  
ngcnccataa ttttt 195

<210> 335  
<211> 295  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 335  
ntnaaatgtg taatataaat ttattctgtg acattttcct cattgagaga tattttaaca 60  
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<212> DNA
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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<212> DNA
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<212> DNA
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 <213> Homo sapiens

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	ccttgggtatt	ccgaggacac	acccagcagg	acccggaagt	gcctaagtct	ttagtttcca	240
	atttgcggtat	ccactgcctt	ctgcttgccg	gctctgctct	gatcaccttt	gatgacccca	300
	aagtggctga	gcagggtgctg	caacaaaagg	agcacacgat	caacatggag	gagtgcgggc	360
	tgcgggtgca	gtccagccc	ttggagctgc	ccatggtcac	caccatccag	gtgatggtgt	420
	ccagccagtt	gagtggccgg	agggtgttgg	tactggatt	tcctgccagc	ctcaggctga	480
	gtgaggagga	gctgctggac	aagctagaga	tcttctttgg	caagactagg	aacggagggtg	540
	gcgatgtgga	cgttcgggag	ctactgccag	ggagtgtcat	gctggggtht	gctagggatg	600
	gagtggctca	gcgtctgtgc	caaactcgcc	agttcacagt	gccactgggt	gggcagcaag	660
	tcctcttgag	agtctctccg	tatgtgaatg	gggagatcca	gaaggctgag	atcaggctgc	720
	agccagttcc	ccgtcgggta	ctgggtgctca	acatttcctga	tatcttggtat	ggcccgagac	780
	tgcatgacgt	cctggagatc	cacttccaga	agccaccccg	cggggggcggg	gaggtagagg	840
	ccctgacagt	cgtaccccaa	ggacagcagg	gcctagcagt	cttcacctct	gagttaggct	900
	aggggcctcc	ccttctcatc	ctccccaccc	ccccgccaaag	gttctcacac	tggcctgggc	960

```

ttgggtgccc atataggagg tctgtatgtt caccaacagt gcggaggggt cacacattgc 1020
aaaacactgc ccagaacagt aaaaagagcc tgcattgcaa aaaaaaaaaa aaaaaaaaaa 1080
aaaaaaaaaa aaaaaaaa 1098

```

```

<210> 390
<211> 860
<212> DNA
<213> Homo sapiens

```

```

<400> 390
gactctcact gtcattgcag aaaactcttc tacagaaatt actctcaaag aaacctgagg 60
atcgacctaa cacatctgaa atactaagga ccttgactgt gtggaagaaa agcccagaga 120
aaaatgaacg acacacatgt tagagccctt ctgaaaaagt atcctgcttc tgatatgcag 180
ttttccttaa attatctaaa atctgctagg gaatatcaat agatatctac cttttatctt 240
aatgtttcct ttaatttttt actattttta ctaatctttc tgcagaaaca gaaagggttt 300
cttctttttg cttcaaaaac attctttacat tttacttttt cctgggtcat ctctttattc 360
tttttttttt ttttaagac agagtctcgc tctgttgccc aggtctggagt gcaatgacac 420
agtcttggtc cactgcaact tctgcctctt gggttcaagt gattctcctg cctcagcctc 480
ctgagtagct ggattacagg catgtgccac ccaccaact aatttttgtg tttttaataa 540
agacaggggt taccatgtt ggccaggctg gtctcaaact cctgacctca agtaatccac 600
ctgcctcggc ctcccaaagt gctgggatta caggatgag ccaccgccc cagcctcatc 660
tctttgttct aaagatggaa aaaccacccc caaattttct ttttatacta ttaatgaatc 720
aatcaattca tatctattta ttaaatttct accgctttta ggccaaaaaa atgtaagatc 780
gttctctgcc tcacatagct tacaagccag ctggagaaat atggtactca ttaaaaaaaa 840
aaaaaaaaagtg atgtacaacc 860

```

```

<210> 391
<211> 921
<212> DNA
<213> Homo sapiens

```

```

<400> 391
ccctcggacg gccccggagg atgctgctga gccccggcac tgcttggttg cgagcacatg 60
atggcgatac gggagctcaa agtgctgctt ctcggggaca ctgggggttg gaaatcaagc 120
atcgtgtgtc gatttgtcca ggatcacttt gaccacaaca tcagccctac tattggggca 180
tcttttatga caaaaactgt gccttggtga aatgaacttc acaagttcct catctgggac 240
actgctggtc aggaacgggt tcattcattg gctcccatgt actatcgagg ctgagctgca 300
gctgttatcg tgtatgatat taccaagcag gattcatttt ataccttgaa gaaatgggtc 360
aaggagctga aagaacatgg tccagaaaac attgtaatgg ccatcgctgg aaacaagtgc 420
gacctctcag atattagggg ggttcccttg aaggatgcta aggaatacgc tgaatccata 480
ggtgccatcg tggttgagac aagtgcacaaa aatgctatta atatgaaga gctctttcaa 540
ggaatcagcc gccagatccc acccttggtg ccccatgaaa atggaaacaa tggacaacac 600
aaagttgaga agccaacatg gcaagccagc cgccggtgct gttgacccaa gggcgtggtc 660
cacggtactt gaagaagcca gagccacat cctgtgcact gctgaaggac cctacgctcg 720
gtggcctggc acctcacttt gagaagagtg agcacactgg ctttgcaccc tgggaaggcct 780
gcagggggcg gggcaggaaa tgtacctgaa aaggatttta gaaaaccctg ggaaaccac 840
cacaccacca caaatggcc tttagtgtat gaaatgcaca tggaggggat gtagttgcat 900
ttttgctaaa aaaaaaaaaa a 921

```

```

<210> 392
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 392
gagaaatgaa gtaataatga attggcaaat cgaatgtctt tgttttatgc tgaggcaact 60
ccaatgctga aaaccttgag tgatgccaca acaaaatttg tatcagagaa taaaaattta 120
ccaatagaaa ataccacaga ttgtttaagc acaatggcta gtgtatgcag agtcatgctg 180

```

gaacaccgggt atacaggagc aggtttacaa atggagagac agtgtcattc tgcttgaggg 240  
taatgggtggg tgtcataata ctctatgtcc acgtacatcc ag 282

```
<210> 393
<211> 377
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 394
<211> 525
<212> DNA
<213> Homo sapiens
```

<400>	394	gagcaataacc	tttctgtacc	cgtggtgaga	caagaccag	agctactgga	aaacaagcac	60
		tttgaagat	ttgttttgtt	ttcatggaat	aataatatgt	caggggtataa	tttaacgtga	120
		gtttcttatg	tgcccttaa	gactgttaga	caagaaaagc	attcactggc	taataatcca	180
		taggtcgacc	tatgtcctaa	gttaggtgta	aggtccgatg	ccttggccac	actcgagctc	240
		tctttacatt	gttagttgtc	aaccttggtc	gatggaaatc	ccgtaaccac	tattttgttg	300
		actgtgccat	gaagggcagc	aggcccaagt	gctgctctga	ctgaaaactg	agttaacaag	360
		atgaaatcta	aaggatattc	acagtgactt	caattcagga	agaatgcttc	caaaagagcc	420
		cagtggggaa	atctgacatc	acagaagaca	ttaattcagt	cactttcaaa	gagtttgtct	480
		acaggcgggtt	tctctgttat	caaggcattt	gaaataggat	tttac		525

```
<210> 395
<211> 399
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 396
<211> 241
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 397
<211> 355
<212> DNA
<213> Homo sapiens
```

<400> 397

```

aattcggcac cagggggctc cgggtggtctg ctctgggact gggcaccac aagggtcag      60
tgggcccaca cccttgaaat ccgtgaaaca ggggtggtccc aagagctaga aactcaggaa    120
accccaggtg ctccaggccc cgcgtctcgg gggctccgtg gggcagaccc ctgctaatat    180
atgcaattct ccctccccc gcccttccct gacccctaag ttattgcccg ctcacctctc    240
ccaggcccca ggctgcggac tggcagggtg ggcctgcggg tttctatgta tttatagcaa    300
gttctgatgt acatatgtaa aggacttttt taaatatatg tgccttttgc ctact      355

```

```

<210> 398
<211> 456
<212> DNA
<213> Homo sapiens

```

```

<400> 398
catatataca tgcagtctgc ttgattatca gcaaaatggt cagcctttat cagatagttt      60
cttcatgtgg agttcatctg catgtggccc ttactctgaa gcctcttccct gatctggagc    120
cacagtctgt ctgtcttcca gttcatctca gtccctcgaga aaggcccttt aaatatgtca    180
ctttccattt ttcctttaac catgggttgg gtgagccaga aagagctttg agaaagatgg    240
ctgcttccac caggggtggag gcttctaggt ctgcatgatg atggggcccg tttctggcca    300
gaggggtggc ctgggagcag ttgtgctgcg ggcttgctgg gggagaactc taactgttgc    360
agaaacagag cttcatggct tgcttaaatt acttagctgg aatattttta agtgtcagat    420
aatgtgatgt acaaagagag tatgccgatg catttc      456

```

```

<210> 399
<211> 470
<212> DNA
<213> Homo sapiens

```

```

<400> 399
tatcaaacta aagatgacat cttaattttg cattgaacat taatgtagcg gatataattt      60
gatgattata cttcattaga ttaattttct aggccaaagat gttacttttt aaagtgcagt    120
ttaaggttca ggcatgcatt ctggctcata gtggttgaaa gtaattttaa ttagtgggaa    180
agtagcatgc ttgcatcaca tagagtgaga ttggtattca tttacctatg ttgcgccagt    240
ttgtgttgca gtttaccat tcaatatagc cctgcattta aagttccttt ttaagatttg    300
tggaatttat ttttattaag aacatagata tataaagtac tgtagtttac aggtaggcct    360
tgaaatatct tttttaggat ctgttaggaa taagattgat attgtattgt gtgtaacctg    420
cacaatgtgg aaagctgata tacctgtgca aaatccttgc ctctgtgctg      470

```

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<210> 400
<211> 4207
<212> DNA
<213> Homo sapiens

```

```

<400> 400
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gagctatttc agaagaaagt ggtagcttcc tttccaagaa cagttctgag cacaggaatg    180
gataaccggt acctggtgtt ggcagtcaat actgtacaga acaaagaggg aaactgtgaa    240
aagcgcctgg tcatcactgc ttcacagtca ctagaaaata aagaactatg catccttagg    300
aatgactggg gttctgttcc agtagagcca ggagatatca ttcatttgga gggagactgc    360
acatctgaca cttggataat agataaagat tttggatatt tgattctgta tccagacatg    420
ctgatttctg gcaccagcat agccagtagt attcgatgta tgagaagagc tgtcctgagt    480
gaaactttta ggagctctga tccagccaca cgccaaatgc taattggtac ggttctccat    540
gaggtgtttc aaaaagccat aaataatagc tttgccccag aaaagctaca agaacttgct    600
tttcaaacia ttcaagaaat aagacatttg aaggaaatgt accgcttaaa tctaagtcaa    660
gatgaaataa aacaagaagt agaggactat cttccttcgt tttgtaaatg ggcaggagat    720
ttcatgcata aaaacacttc gactgacttc cctcagatgc agctctctct gccaaagtgat    780
aatagtaagg ataattcaac atgtaacatt gaagtcgtga aaccaatgga tattgaagaa    840
agcatttggg cccctaggtt tggattgaaa ggcaaaatag atgttacagt tgggtgtgaaa    900

```

atacatcgag	ggtataaaac	aaaatacaag	ataatgccgc	tggaaacttaa	aactggcaaa	960
gaatcaaatt	ctattgaaca	ccgtagtcag	gttgttctgt	acactctact	aagccaagag	1020
agaagagctg	atccagaggc	tggcttgctt	ctctacctca	agactgggtca	gatgtaccct	1080
gtgcctgcc	accatctaga	taaaagagaa	ttattaaagc	taagaaacca	gatggcattc	1140
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cccaaaatag	aagaagaaac	ccagcatctg	aagcaaacac	acttagaata	tttcagcctt	1380
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aacacgtttg	tcagcaaaaa	acttcgagat	ttaattattg	actttcgtga	acctcagttt	1860
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aattgattac	ttcctgttaa	ttttctatcc	tccttacta	tcctcctttt	ttgttttcag	3780

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tattcagtat ttcagtattc tagagtagat tttgatataa aagaaaataa ttcttacatc 3840
atcttttgca acaaattttg ttttctgaat tgataataaa tttaaaaagt tgattcctat 3900
tttcacatat gttcatatgc ccctatgttt gggggtatca ctcagttttc ccttttttgt 3960
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tcttccattt ctcttgaggg ttttttttaa tgagtgttaa atatgttaaa atttttattt 4140
ctacctcatg tgttttttta aattattact tgaagttttt tatttaataa attttttcta 4200
ctaattgg 4207
```

```
<210> 401
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 401
ctagaataaaa ggggttgatt agtctgaaca gtactaatta actacaaaat aaacgtagt 60
gantcagcct cttcctctat aaacaatgac caattagacg tttccgtaat tccatgtatt 120
atgtatagta cactctataa atgtaaatgt aatgcttgct taaaaagtgc aattttattgt 180
acattgtccc aacaaatggt tacttttata atcgttatga acttgaattg gattagtatc 240
ttgtttttat gtgtgaatga agccttggtga aataacaaat gcaactgaga aggtacaagg 300
tgactgtttt tgtgagccag tgatgttttc aatgc 335
```

```
<210> 402
<211> 277
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 402
tctcttaaag gattaaaaga ataggatagt ctcataattg tgagtaaaca tcaaggcatt 60
atattttaca atactgaata aaatttcac taccacacatg ttgccattgt ttcattttaag 120
gttcagtgtc tatagttaac tacaatattg gacctaacag gatctagatt agcaatataa 180
agaagcatag tgggtactctg tttcacactt tcagtagatt tattagangt caaattctat 240
tcaacagaca cttnttagga tatacancta atttaag 277
```

```
<210> 403
<211> 351
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<223> n=a,t,g or c
```

```
<400> 403
tacaaatgca tattatccaa ctcagtagaa atccatgtac cccagaatgt acagaaggta 60
tgcaatgttc cagagtgtca ttgtcagctc tggctttaca tatatattaa atatatatat 120
gttttgagac aggggtctcg tgtcaccag gctggagtnc agtggccaat ctcagctcac 180
tgcaacctcc gcctcccagc ctcaagagat ccccccacct catnctcctg agtagttgga 240
ctacatgcgc atgccaccac acccagctat tatttttatt tctttttgta gagacaaggg 300
ctcactatgt tttctcaggc tgggtctcga actcctgggn ctcaagtgat t 351
```

```
<210> 404
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
```

<223> n=a,t,g or c

<400> 404	caatgtgctt	gtctaggttc	gctattgtga	gaatcaagtt	gatatttacc	taacctatat	60
	cctccacaaa	agcagacagt	ctggetctgc	tcttctttcc	tccatcctta	gccacagca	120
	cagaaactgg	cacattgcag	gtgctttttg	ctatgtcagt	tcctcacctg	cttaaagagg	180
	tcaggaggga	cagtcttcct	gggcgactcc	tggcctcagg	aactcagatg	tgtgagcctc	240
	gcccataaga	aacaaggtgg	aggaccctgt	agggcaggaa	aatcatgtta	acagctttgg	300
	cgtggggcac	tccccaggga	taggcacagg	agctgtgcag	gncaagtaga	aaagagcact	360
	gggagaacgg	cccagtttca	cagaagaggga	ggcagcaagt	ctgccacatt	tttgttatta	420
	ttgctgga	tttgtttcat	tcacttcgac	agtttcagga	attaaatatt	agggnagatt	480
	tttttt						486

<210> 405  
 <211> 6383  
 <212> DNA  
 <213> Homo sapiens

<400> 405	cgcgccgct	atatataatg	cagcatcaca	ccatgtaggg	catttactct	tattttatac	60
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	aatatattca	acacttacaa	aaagtgatat	gataaagaat	ataaagtact	agtttccttt	180
	taacacttca	aaagatatgt	atatatactt	ttttttacaa	gtaacatcac	aaatgctcac	240
	atcttcacat	gctcttaag	tattatttgt	actcagtgtg	aggtatttat	cgtttttcat	300
	acataaaatt	ttctagctct	gtaacacaat	gcaattttta	atccattcaa	gtaagttcaa	360
	ccccaaagt	gccgttccc	agcattaaga	catgcacca	cccctcttct	aagattttct	420
	aaacttgat	ttcggggaga	aagacctctt	ttaaaaaata	atccaattag	tgggagagta	480
	aatggctgac	attagtagca	aaaccttagt	tatctgaaaa	taacatattg	gaaatgagac	540
	attattagga	ttttaacaa	acaatagcat	ttagacataa	agtaggaagc	aaaatacagt	600
	aaacagaaat	agtgtagcca	aatatcattc	tcttcagcta	ccttaagtaa	aagacaaaac	660
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	agaacaacac	gctgcgagaa	tacagtctac	agtctgcatt	aaataagaat	atatcagcat	900
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 <211> 244  
 <212> DNA  
 <213> Homo sapiens

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<210> 408  
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<223> n=a,t,g or c

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<212> DNA  
<213> Homo sapiens

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<211> 2149  
<212> DNA  
<213> Homo sapiens

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<221> misc feature  
<223> n=a,t,g or c

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<212> DNA
<213> Homo sapiens

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cctgagaaaag ctctt 495

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<210> 412
<211> 575
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 412
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<210> 413
<211> 345
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 413
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<212> DNA
<213> Homo sapiens

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ccctctccag ccaagtgcc ctgaattctc caggaattga gggcttgagc cgtaggagga 1200
agaaacgcac cagcatagag accaaccatcc gtgtggcctt agagaagagt ttcttgagga 1260
atcaaaagcc tacctcgaa gagatcacta tgattgctga tcagctcaat atggaaaaag 1320
aggtgattcg tgtttggttc tgtaaccgcc gccagaaaga aaaaagaatc aaccaccaa 1380
gcagtgggtg gaccagcagc tcacctatta aagcaatttt cccagccca acttactgg 1440
tggcgaccac accaagcctt gtgactagca gtgcagcaac taccctcaca gtcagccctg 1500

```

tcttccctct	gaccagtgt	gctgtgacga	atctttcagt	tacaggcact	tcagacacca	1560
cctccaacaa	cacagcaacc	gtgatttcca	cagcgcctcc	agcttcctca	gcagtcacgt	1620
ccccctctct	gagtccctcc	ccttctgctt	cagcctccac	ctccgaggca	tccagtgcc	1680
gtgagaccag	cacaacacag	accacctcca	ctcctttgtc	ctccccctct	gggaccagcc	1740
aggtgatggt	gacagcatca	ggtttgcaaa	cagcagcagc	tgctgccctt	caaggagctg	1800
cacagttgcc	agcaaagtcc	agtcttgctg	ccatggcagc	tgctgcagga	ctaaacccaa	1860
gcctgatggc	accctcacag	tttgcggtg	gaggtgcctt	actcagtctg	aatccaggga	1920
ccctgagcgg	tgctctcagc	ccagctctaa	tgagcaacag	tacactggca	actattcaag	1980
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acctctctct	gctcaccagc	aacctgttta	gcttgggtct	tgccgccgca	gcctctgcag	2160
ggaactctgc	acctgtagcc	agccttcacg	ccacctccac	ctctgctgag	tccatccaga	2220
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aggcacagt	agctgggcag	agctgggctg	ccagaagcct	ttttcactct	gcagtgtgat	2340
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gagggcaaa	gagagaaggg	agaaaaaaa	aaaaaaaacc	acacacaccc	atacacaata	2460
taccagaaaa	ggaaggaagg	atggagacgg	aacatttgcc	taattttgta	taaaacactg	2520
tcttttcagg	gttgcttcat	gggttgagg	actttctaac	caaaaattaa	aaaaaaaaaa	2580
aaaa						2584

<210> 415  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

<400> 415	cctcttgctt	tctgcagagg	atcagctggg	cctgtccctg	ctcagcctgg	agcagctaga	60
	atcagaggag	acgctgaaga	ggatagagca	gattgctcag	cagctctgag	tggggcgggt	120
	ggggccataa	acggttcctg	gtgactcctg	agtcttgctt	ggccttggtt	cccagcggcg	180
	gtggtgctag	aaggtcttat	gaagtcaggt	gacatttctc	actgtcacgt	ccacagcctt	240
	taatcgtag	agaaggcagc	tatccaccag	gtacc			275

<210> 416  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 416	tttattattt	tgaatgattt	aatggttttc	tacacaattt	acatcacaac	atgtaaattt	60
	tagcagtaac	atctgattct	aacagcacat	catgctattc	ctttcataga	gccttcagag	120
	attcaatgct	aaacaaattt	ccttagttgg	catcaaggca	ctgatcactt	tagaggcttt	180
	taagaaatta	tttaaagatg	caaagtgcctc	tgagtgaagt	gtactatccc	atcactgaag	240
	cccacaggaa	caagtcctac	aatttttaaaa	aggctcgatg	gaaaaatttc	tcaatcctga	300
	aatcccctag	ggaagggg					318

<210> 417  
 <211> 1297  
 <212> DNA  
 <213> Homo sapiens

<400> 417	cctaagtcgc	cgcagaactg	ccacgtgggg	atgagatttg	ctgggctggt	agcggcggct	60
	gctgcgggga	ggtcccggcc	acgtgaagcc	agcctaactg	agctctggac	tttggggaca	120
	gctgtcagtg	gcctaggccg	caggacacca	tgaagcaact	gccagtcttg	gaacctggag	180
	acaagcccag	gaaagcaaca	tggtacacct	tgactgtccc	tgagagacagc	ccctgtgctc	240
	gagttggcca	cagctgttca	tattttacccc	cagttggtaa	tgccaagaga	gggaaggtct	300
	tcattgttgg	gggagcaa	ccaaacagaa	gcttctcaga	cgtgcacacc	atggatctgg	360
	gaaaacacca	gtgggactta	gatacctgca	agggcctctt	gccccggtat	gaacatgcta	420

```

gcttcattcc ctccctgcaca cctgaccgta tttgggtatt tggaggtgcc aaccaatcag 480
gaaatcgaag ttgtctacaa gtccctgaatc ctgaaaccag gacgtggacc acgccagaag 540
tgaccagccc cccaccatcc ccaagaacat tccacacatc atcggcagcc attggaaacc 600
agctatatgt ctttgggggt ggagagagag gtgccagacc cgtgcaggac acgaagctgc 660
atgtgtttga cgcaaacact ctgacctggt cacagccaga gaccttgga aatcctccat 720
ctccccggca tggatcatgt atggtggcag cagggacaaa gctcttcac cacggaggct 780
tggcggggga cagattctat gatgacctc actgcattga tataagtac atgaaatggc 840
agaagctaaa tcccactggg gctgctccag caggctgtgc tgccactca gctgtggcca 900
tgggaaaaca tgtgtacatc tttggtggaa tgactcctgc aggagcactg gacacaatgt 960
accagtatca cacagaagag cagcattgga ccttgcttaa atttgatact cttctacccc 1020
ctggacgatt ggaccattcc atgtgtatca ttccatggcc agtgacgtgt gcttctgaga 1080
aagaagattc caactctctc actctgaacc atgaagctga gaaagaggat tcagttgaca 1140
aagtaatgag ccacagtggg gactcacatg aggaagcca gactgctaca ctgctctgtt 1200
tgggtgttgg tgggatgaat acagaagggg aaatctatga cgattgtatt gtgactgtag 1260
tggaactaata aaaccacat ttttattaaa aaaaaaa 1297

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<210> 418
<211> 469
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 418
actgtgataa aacatacaca gtttacaaga atatgaaatg ctttactaat tcgtgtgtca 60
tccatgctaa tcatctctct attgttccaa ttttagtaca ggtgcttttg aagtgggcac 120
tcttaatttt ttgaacattt tctaggtttc tgataccata ctcatctctgt gtcttaccta 180
tcacaacccc agaatcagcc atttctccaa attcctttta gtggagagtg gtatttagaa 240
accaggatct ggacaccatt tctctttttg ttattgttgt ttgccttgct ttaatgatag 300
ctctttttat taatttttcc attattataa aagatggcca aatacatata tttctatgga 360
aaatgaatca agtcttatnt attttacagt taaaatttca ttattcctat tttaactgat 420
aaaccagttt aattttcaag atgtattaaa gtctcccaca attgtattc 469

```

```

<210> 419
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 419
tgatgcttgc agagaacccc aataacttga tcttcaagac gggaattact tctgattaca 60
ctctgagaat atctgtcatc tgcctttgac accttataag ttgattcttg agcattaatt 120
tctccatcag atagcctttg ggttgatgac tcaagagatg cttgtggctg caacacctgt 180
aactcttgca ttggaaaacc atcttcttgc tttgaagatg gatacacatc tgagtcaagc 240
tttctttcag cataagactt tgggtcaggg gaaagttatg ttattttgta atgtctgaca 300
atgagtagag ggatgcaaaa agattgatga ctggacagca ggcaaaaact tctgggactg 360
ggggagatga tgactcttga gtctgaacat tttgggaaga atgcatagaa atataattct 420
gg 422

```

```

<210> 420
<211> 388
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 420
aagattatac gaangattta ttgatactgg ttaacatcca ttatatacag gtagaaactt 60

```

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tcaaaattgt acaaagaacc attaagcata ttgataaaga cagttttaca gacaaaacaa 120
ctggaaaata gttttaacat acacaatata taattatgaa aaaaatgtag aacacatatt 180
gttctaccag ataaatccca aggttattaa aagtctgcta tgcagacctt taagttgaaa 240
aatgtgttca atggagttac atgggttttag aaaattaagt ataatgttaa aattaagctt 300
ttttttctca ttgcaatttg ggagaggaac tgagacaact tttttacccc aaatctatac 360
agtttgaaaa ataatttata tgtctagc 388

```

```

<210> 421
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 421
tttttntntt cattgctcag gtaagaattt attaagtcaa tttaaactan acattactac 60
cattgcaaaa gcatttgctc tgaaaaggga ctgaaaaatg catcataaag ttacatagtt 120
cagcaacaat atcaatattg attatataaa gtaaaactac tggcaaactg catttaagct 180
taccctgtaa tttttaataa ctttataagg agcaaactgt tcaccttaaa aatgtaccag 240
tggcatttac aaattccttc aaactcattt acaaatacag taataaaaaat tcctgagctc 300
ccttttctta caccagtatt caccaatcaa catccatgcg gtgttttatt tgaccacat 360
cctctttcct tttcttaaga aaatatatta tcacattcgt aaaagtatct gtgcttcang 420
t 421

```

```

<210> 422
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 422
gcttttcagga aagggtttatt gtggtgagtg ccttctgtac agtcaactgc aaatgaaacg 60
cagaggatgg gtgcccagaa gcaactgcggc agaggcgcac gggaagcccg gggccaggct 120
catgcaacac gacgctcacc gcggctcggg cctggggcgt cagagaaacc tttttaaaaa 180
atggagatga atgttacaga attggacaac ccgaactgct tttcaaaacc agaggaagga 240
ggttcttaag ccgttactca gataccagtg ctggggaggg aggcctgact tcagcaacag 300
ctgtgggtgg gctggaggcg gcgcantttg gggnccecca cgccagctgt ctcagccacc 360
accttgtgcg gcgctttgct ccgagggggt cagcaagagc aactgattgg ctgccacttt 420
ccaggccccg agagacaggg cctcacgtaa cttta 455

```

```

<210> 423
<211> 415
<212> DNA
<213> Homo sapiens

```

```

<400> 423
ttcttgcttt ctttaaactt ttatttataa gtccatgcta ataatgtgtt tacattttta 60
cagttacatt atgatagaaa ctgttggtatt ttttaaatat ctaaaacaat ggcccactga 120
agaaaaggaa aattaactct ttaattaatt ccttaggata aataccaga aatttaacag 180
ctagggcaga cttctaatac aataccgaaa gtccttccaa aaaccaagtg gttgccaaact 240
tatgtccctt agcattataa cattcttgag ccaatagtgt aaaaatacgc tgacaatttt 300
ataggcaaac attactcaag gtatcttact ttccacttat tactaaaggt aattaacccc 360
taaatagatg ctctcaaca gtgggactac atcctggtaa acctatcata agttg 415

```

```

<210> 424
<211> 421
<212> DNA
<213> Homo sapiens

```



<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 424  
aatggtttcac tctttatata taattgaata cttagttatt gtgacaaaaa gttagtatgg 60  
ctaaagaaaa taatgcaagt acatcacctg aaataacncc tgtatccac gatacatgaa 120  
tccaattcca atgctgtttt ctttctatct cagcaacact atacgtagtt taatagtcaa 180  
gataccactt gaatactatc caagaataat cagatctgct caagttaggt ttatataatt 240  
taccaaggtg atagattctg actttgaaga ttactgacca ctgatcacta agaactaata 300  
ttagctgacc atatgatncc ncaagaacta actttgactg ataaatttga atttcatctt 360  
ttgtacactg aggaaagaga ttaacaattt tctccacatc aagatggctt gtnttgaagg 420  
a 421

<210> 425  
<211> 441  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 425  
tgacgtgtta cctgctatct ttattcccca ttgcccctt tctgattggg ggttgatgtt 60  
ttacagattt ttttttcaaa ggctttatct cagtttctga ggttaggatg cccctgtgcc 120  
cctcgctcca cacctgggca ggtctaaact tccttccagg atggcctcca cacacagcct 180  
cccacctggg gtcacctggc ttcttggggg acccgcaang anggggcagg gagcagcagt 240  
ccgggtgcgg ggatcggggg acctcgggcg gggcatccac aggggctgca agacctctgg 300  
tcagcatggc gtgggtgggg agagcgcttc tccctggggg cctgagccag tgactcctgt 360  
taggaccttt gtcccacctc cgcctggtgg accggcagga cctggtctag ccagtcctgc 420  
agcctccatt cccccacctg c 441

<210> 426  
<211> 561  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 426  
aatcagcagc aagcagaatg ttaattaata gtctaagatg atctgagagt taattaatag 60  
actaagatta tctgtggtct atttattgac cacaccttat aaacaggata ggtttttcct 120  
attttgagac ttacatgtc tcagtacttt cttaaattgaa atcagagcat taaatcaagg 180  
gaattgatgt ggacaaaaca gctgccagca tgatagtgtt tgtgaattat gtacctctct 240  
tagacataaa ctcttagaca taaactcata aaatctgttc agaactga acagatttag 300  
atttaccata gccataaaaa tttggattta gtgggttagt ctcagcattt catggaatcc 360  
tgagatgccc aaatctctgg aaacttccta ttctctgttt tactatcttt ttctttttat 420  
caaaatgggt gccatgaggg tcccagacca aaactacca tccctggaaaa acaaaagtct 480  
ggggagagaa ctccnggttt tatttcagat gatatatctg ccaatcnttg gaataggtcn 540  
ggtcataatt ataataggat t 561

<210> 427  
<211> 447  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 427  
tttttttttt ttttttgctg agaccggtaa tattctttgt ttatagtagt aatatcattt 60

```

ggaatagcgt gtttaagagt aataaataca gtctcttgga cacgggactc acttatcagt 120
tcatactaca ataaaatcat tttggaaaat atactactaa taatatattt caccaaaaaa 180
caatattaca attttcttta aaattatacc aattatgact catacaatag caacacctag 240
aaaacatttt gtctgacgtc ataaaatgag tgcagatata aaagaatcaa cagcagataa 300
tgcacctaata tcatggatta aagacaaaga ttaaaaagga aagaagagtt tgtcatttta 360
catatcagng gaaatataat aagttaagtc tacaataatc tgggttgaat gcatcacact 420
tacacattga aaatttatca gactgac 447

```

```

<210> 428
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<400> 428
tgaaaagatg aaagctgaaa aaagttagggt ttggtgtagg ttacaccaat ggatgttggt 60
gcctcctact ggtcctaaca aaaatataag tgggtaccagc aggactact tcgcatacca 120
atgtgaagta aaaattccct ttcactctgtg gtcaagtatg gaaaaattat gaaggtcctc 180
attaaatcca catTTTTTaa cccattaaat tatecttata aaaattcaga taaactactg 240
tcataaatgc aactgcactg cctcaaggac ctaaaaactg ttttcctaata caactagatg 300
gcataatcag gtaacagcag aaacagatag tctagtgaat ttccgagagt caaaatatgc 360
tactttgatg cttattaaac actgaaaact ttcacaatac taactccagt taagttgggt 420
gaggttaaa 429

```

```

<210> 429
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 429
tctgaaaatc agccttttaa tctagttgaa cccaacgagt ggggaaagaa ctaaaacatt 60
ttttccctt cagattttga ttataagaat aacgggtcag aggtgtctct tccataggaa 120
actgacatcc cctatgtcct cagagttggt tttttttttt tttcttcaaa aaaatgcata 180
aaagaatttc aactcatgtg catgccacac atttccatcc ccaccccacc ctgccccacc 240
ctctacaggc acacatatcc acacacccaa gggactcctt cctgtaactg gggaacagaa 300
tgtaaaaaaa tccatccaag tggccaccga taccagaaat aaccaaagtc atttacactc 360
acaacatcag tcaactcaca tgcacaagga gaagcgtctc caatcggagc ttagagccaa 420
aaattacaaa tggcagagac ttgagc 446

```

```

<210> 430
<211> 614
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 430
agttgaatta gctaaacgaa tccttgtatt tatttttcac acagcacaaa tgcaggtagt 60
acacagtaag ttcataattc cccacaaaac ttataaactt aacaaatggg aatctaaaca 120
taatatcttg aatcacccat agctatccac tgtgtggaat ccattctaca gcagcagagg 180
agtaccttaa tttaaagcac caagtttcca ggcattacta caaatatctt cttttcattc 240
tctaatacat gcagtcaaac tgcctatgaa gcaaatacca attcatctta cgctttaaca 300
gataaggtaa agcacttggg aaatcaacat tattcttaag tctgaaagtg attctacctc 360
tttacctatt atattttctc ccatgaaatt ttaaactttt aatggagtta tatttaatat 420
gagaataaat taaaatttga acttaatgtc tttcagattc tccagcgttt agaagtgtat 480
atgtgtttta tgtctgaggg aacaaaacgt aatttcnaat ttagatattc tggctacctt 540
attaaaggta cattataatt tatagcaagg aatatcatcg gttggccaac atacggattt 600
aaaaatnccc aatg 614

```

```

<210> 431
<211> 154
<212> DNA
<213> Homo sapiens

<400> 431
tgtacatctt tattatttct aaagcacttt cctcaaccta atttcagttt ttacaattgg      60
tactcaagaa aatagagaca gaaatcattt gattttgccc agaaaccatc tgcttatatt      120
tataaggcca cctaatttga aatcacatat agac                                     154

<210> 432
<211> 315
<212> DNA
<213> Homo sapiens

<400> 432
ttcgaaacct aaaaatgtat tttattttga agttgtgctt tggattttcc ccaatccaac      60
atctgttgag tgacagtctt aggttcacac aaagcatctc caagcataca tacaatattc      120
cagttatcaa cactatttta aagaatatac cattttacac aaatgtgaca tacaagtcag      180
acgccacaac attgcgattc cctggaagat gtgacttctc ttctgcatgg gaagtagatc      240
tgcaccagcc cttccagtgc tctgcgcac cgggtgctgg catcaccgct cctcatctcc      300
ttggggagaaa gccag                                                       315

<210> 433
<211> 433
<212> DNA
<213> Homo sapiens

<400> 433
atctatgact acaggaaaac atttattttac atgccctcta caaaatggat ttacaaaaca      60
tagtaactat tagggtacat gaccttgctc ctatcttccc cattgtgctt cttctctata      120
gaaaatccaa tatgaaatga caaagagtac tgtactcaga ataagaactt catctatcat      180
aaatgtacac ataaatatca gtgaattgtc atactcaaga ctcagattca ggaacttctt      240
catcagggca gcagtaatat tccacaaaac atatttgtcc atcttcattt ctaatcatat      300
actgtaatga aaggaagcct ctgttatctg tccgaataga taccttacia gataggacta      360
atgcctttgt agagggtttc agtaaggga tcttgtatct gttgacttgg gtctgattac      420
aatgaaatgc ttc                                                         433

<210> 434
<211> 182
<212> DNA
<213> Homo sapiens

<400> 434
tatgagtggg cggcagacag ctatatattag tgggtgcctcg aactcacga accgccagcg      60
tggcgcctgg atcttgccca gctgccagct cccccacca ggactgtggg tcctcagttt      120
ctcctgccag ccccggtcca tctcagggca aagctataga catggtagat ctcacgggg      180
ag                                                                           182

<210> 435
<211> 476
<212> DNA
<213> Homo sapiens

<400> 435
caaacctcct cttttcaaat caggaagtat acataaagtg caagtaaggt tcattccctc      60
gctgtgctcc taggctcttc tcttgatagt attaccgaat ctatcaggta aaccgctggc      120
cgagtaggat gtctgcagga atttctggag ttagcaataa acttcatctg gcaaagagag      180
tatctgaaga tcaacacagt cttggcaaga aaacatgaag taccacacac aagacagggg      240
tgtgaaggat gcaagaagta gcaggagat tgttgtcact gaagaggcca tctttggatc      300
tcaaagaatt taagagaatt caggaaccgt tactaaaatg aacaaggcca gcagatttca      360
gagcacggtc agtcttcagt gagggcagat tcagttttcc tagttaaatt cctgaatttc      420
tttttggtct ctgccctttc ttcagcatca aagtaccaga cagtcatagc atatct       476

<210> 436

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<211> 379
<212> DNA
<213> Homo sapiens

<400> 436
aaccaccacc accacagcca ttatttaagt gcttgccagg cactgtgcta aagctttaca    60
aacattgttt cagttattcc aacaaccctg aggtagatat tttcaacatg cctccctcca    120
cccatgttat tatagttgag gaaactgagg ctgagagagg ttaagtaaata caaccaaggt    180
caaaccagc tggtaagtag tgaagctaga aattcaaacc aactatatgt gactccaaaa    240
tccatgcctt taaacactat cctagattgt ttaccattga aagttaaagg acatatgctc    300
cttcccaaaa tatgagaata gattttcagt gggaaagcag gggggagcca tatgtaaatt    360
ctttcatcag ctatgggac                                     379

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```

<210> 437
<211> 403
<212> DNA
<213> Homo sapiens

<400> 437
tttttagttt ggttttgatt ttaaactttt tattattgaa atttcaaaca catacaaaaag    60
tagaaatatt agaacaataa gtctccatga acaaaacact ccacttaaata tatcaacatg    120
ttgccaattt agtttccagc tctctttgcc aattattttt cttttgctag aatatttttaa    180
tccaaatgtg tctatcttca tttcatagta tgtatctcat atcatagcat cttttatttt    240
ttataatcac actgacataa tccctaacca aattaatata tgtaaataatc atttaaatatt    300
tagtccatgt ccacacttcc ctactgtct ccaaaatggc tttttatggt ttgttcaaac    360
caggtccaag taatgccaac atactgaatt tagttgatat gtc                                     403

```

```

<210> 438
<211> 522
<212> DNA
<213> Homo sapiens

<400> 438
cagtcctaga gcctgcagta ttgtaatttt ttgtaaaacc atgtaaccaa atacttaaata    60
atatccacaa catctatacc acagaaatgc atagtacata atatactaac atctcaaaat    120
aaacttctat tacagtttta tgcaaattat ggtaaaagat tatcacctgc cacattttga    180
aatggcacca acttcaacat caatgcaacta gtcaaaatcc ttactagaag tgatgtcttc    240
tgatttatca tctgaacatt caaaatcaag ctgttaattct aataaccaca gtatgttatc    300
atttaaaatc actgtatatt tggatgttaa agcaggtagt aatacagcag gaaaagtgtt    360
tctaattcac agtttcaaaa ctaaagggtg cagttttcaa atatctgatt gcttaaattg    420
gtcactcaat ttaacaactg cctccttcaa tacatgtaaa ctatgtttgc acagcattag    480
gagatgtctt ttatttcaga attagttctt actgttacag ga                                     522

```

```

<210> 439
<211> 353
<212> DNA
<213> Homo sapiens

<400> 439
gttatttaag gatttgttta atgtttttaa attcaaagca ctttaaatta ttttaagaca    60
aaagattaat aaaaacaaca ttacctttca aatacaactt tataacagca cagtggaaga    120
atggtaaaca gtccctcttt tttttaaaaa aaatcagta cttaaaacca aaggaaggct    180
tatatgtaca gctaattcag aaagggaaca atgacaccta aagacataga taaatgcttc    240
attttaatcc aataaatgtc ctacctactg gatcttaata atgatgtttt caatatgcca    300
tttaaaataa actatccttg aaaataaagt tttaaatcat tcaatataat cta                                     353

```

```

<210> 440
<211> 416
<212> DNA
<213> Homo sapiens

<400> 440
gcatctaact gtccataaat tcatggctac agtagagatt cacggcgcaa cgactttcat    60
actggttatt tttttttaat tctgtcagtg agcagcattt cccagtttta cactcccta    120

```

atggcagctc	cattagggcga	gactgcaggc	tgcattctgtg	attaggtcca	tgcagctcga	180
agatcagttc	ggcacgcggg	agggctcccga	aagctgggtc	tgtccagtgt	cttgcagcag	240
cgggtgcagg	gggtctacca	gctcgccctg	acagcttcga	tatcgctaac	caaattctgg	300
gccaggcata	tcccaaatat	ctgcagcaat	gcaatgccta	tgaaaatacc	agcaacgatg	360
gttaaattgt	cctgcaacca	cttctcaaac	tggggcacac	agctttcgtg	tagatt	416

<210> 441  
 <211> 400  
 <212> DNA  
 <213> Homo sapiens

<400> 441	agtcaactgg	taaagtttat	ttcataagta	taagtaattt	taagcctttt	actaaactgt	60
	aaatttcaat	ccattaaaaa	ctactaccgg	agcagttttg	aggtattact	gttaatttag	120
	tatagaaatg	ttactgtatt	ttgatgtggt	atgaaatgca	gccgccatgc	ctttcatgaa	180
	acgggtgctat	cgtgggtgctg	actacagaca	tgtcctatgg	ctttcaggaa	attattgtgc	240
	atgtgcatta	acagattttc	caaacattaa	tgacaatttg	attggttagt	catttgtaag	300
	cataccaaaa	taataaagta	tagccacgt	atgagccaaa	cacactgaga	catttgaggc	360
	atacaatgct	accctccagt	ctactttcgt	cagaaaccaa			400

<210> 442  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 442	tttttttttt	tttttcacat	acagtctttg	ttttaatggt	tattggtaga	aacagatctt	60
	caatgcatac	tttgtgttta	tataaactct	acattctctt	aaaggttttc	gttttgTTTT	120
	cactggagat	tttttagcctc	caagtgaact	taacatattg	cctatgcatac	tgattcttta	180
	tagacttttta	gatttttaaag	ctaaatttga	gaaaccatgc	atactgtata	ccttatttta	240
	taatccaaaag	aattgTTTTgc	actttcaaaa	aagttacaaa	aaggctgaac	acaagttaaa	300
	taacctatat	gatgtaaatt	ttccatttct	gaatactttt	tcagtattat	atattgcttg	360
	ctgtctaata	agtttagattg	tcagagacgc	ttcagtaaat	tatctctact	ttaaaattat	420
	atctga						426

<210> 443  
 <211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 443	tttttttttta	gtcataaaaac	cgattatttta	attgaagcta	taaaaaagg	agtataagtg	60
	ataaaaataat	taggaaagaa	tatttagcat	gtttcaaaaac	atttaaaata	ggagcagaac	120
	attttacaaa	aagttgtaca	ggaaattaaa	ttcttaaaact	atcagtacaa	acatgacatt	180
	acagagtatc	ttataaaaata	caaagacaaa	tataaaaagga	ctatgatgct	ttaagtctga	240
	aaactatttg	ccaaatatit	aggtttaaat	ttacagttcc	tgggtatgag	aatcatatta	300
	ctatatacat	ctcccaaacc	agtaggtagt	attttccaat	taaccatgtg	tgggtatcatc	360
	ttctacaaaag	tctttggcca	tctctgctgt	gatcacatca	atatgactaa	ccttatttct	420
	gaacttttaca	ccatagaatt	tgtcagctga	ctcaag			456

<210> 444  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 444	tcctttatac	ttctgtttat	ttttcctgct	tatgaaaaca	gccacaatt	gcctttcaag	60
	ggaaggggaag	gtaatgctgg	gaaaggctct	caggagccct	gagccaagtt	ctcaagagag	120
	aagtgaggca	gctggggatc	tgggaggcca	gagtcggggc	cagggcctca	gcatcctaga	180
	accagggctg	cctcccgaag	agcagttcag	agggcgtgac	tccatacggg	cagggcggct	240
	ccacacaggc	ctggaacacc	cttctcctca	gccacgggag	ctcatcaggg	tctgggcctg	300
	cttcagttct	g					311

```

<210> 445
<211> 332
<212> DNA
<213> Homo sapiens

<400> 445
tttttttttaa tgtagattct ttattgattc caccaatgta ttagtagata tgataataat      60
aatgggtatt tttacattct cttaacccaaa aatataacaa atatttacac tcagtaaaaa      120
tacaaaaagc atacagaggc actgtctttc taaaagacat aagtttaaga ggtatcgaaa      180
aataggagac aaacattgct tgttacagga taccttacca tcaatgaatt gtgcagtaga      240
attgctatct gattattaca gatgtgcagt tttgtttctg tcctttgctg attagcttac      300
atgtctcaat tttaaaagat caagttcaac tg                                     332

```

```

<210> 446
<211> 385
<212> DNA
<213> Homo sapiens

<400> 446
tgtgatgcag catcagggtgc ttttacttca gtgaatgaaa aataatgggtc acaactcaaa      60
tgaatgggaa tttaatatga atatatgcac cttaccagag atgtttgcta ccaatgatat      120
cttagcaatt ccatattcct tacaaagtca gtataattgt tgtaaaaaaa tcaactgtgg      180
ttctgaatac ccattcacag ttgacctcaa caatgtatct gatgtaggag actgagtatc      240
cgtgacaggc agaagcatgt gatggtcctc agtcccaagt ggaagagcta atggtaaagt      300
catatcagaa ggcttcacat ccatagtttc tgataaagga cttttttgta tggaatcctg      360
ttcactcaaa gtatgatcct ctgca                                     385

```

```

<210> 447
<211> 500
<212> DNA
<213> Homo sapiens

<400> 447
ttttggaata ccatttgtgt tattgatcaa acctggcttc gagtgtgaca gagccattct      60
tggttctcct tggaagtaac aagaacactg ggtaacatgt gaagtgcag gagactcacc      120
tgaatcccac caaagtagta gctggaccca gtagcctagc ttattgtctt ggcagtgcc      180
ctaccagta ccattagacc tggctttgtc ccttacatag gacagactgg gcttctccac      240
tcccgccagg ctggccctac ctccacctgt ccttggaagc tagtatgtaa gtaaggagg      300
agtcacaaag tttatagatg ggtaggctga ggattgaggc aggaggggac ttaatggctg      360
agtcctggc ttgttccaga gccctggccc ttgagcccct ggactggtca gtgcatggac      420
actctccct cccagctcgg gcggaagact tttcctgact tagctgctcc atacacacaa      480
tctataaata tgtatttgct                                     500

```

```

<210> 448
<211> 379
<212> DNA
<213> Homo sapiens

<400> 448
tttttttttt tttttttttg gagctgatgc ctctctttat tcatgtattt catcccctgc      60
tgcttggttt ctctgaatc cccttggtcc cctaaatagc acccccagtc cccgccccta      120
gccagctgc aggtggagta gcagctgctg tctccattca gcagatgggc agactgaagc      180
ccaagagtgt ggagcccagt ctgaggtcac acagcagctc cctgggttcc cacttgacct      240
tcaatgggga gggaggactt ggcctgggct cctgctgccc tcaactgcagg gtggctggct      300
gcggcacgtc gcaggagct gccaatctgg tctctgaggg cctccagctc ctgggccagg      360
tttgaaccc cgccccac

```

```

<210> 449
<211> 433
<212> DNA
<213> Homo sapiens

<400> 449
ttgttttttt ttttagatcta ccttcagttt tgtcattttc cagtattcac aatcctttca      60

```

```

aagtttcctt taaaggggaa aaaacagagg cttgtaagaa atatgctcaa agaggttcta 120
ggacttacag acatcccatt ccagtataag atacaaaagg caaaatgttt cctttaccca 180
tgatccaggc tagctccaag aatcctaaaa acgatgtttt aatttggaat ctgggatgcg 240
gcgttttgtg gattaacatg tggtctgaca caaggactac tctacttcct taagaaacat 300
gagcaaaaat gctttgctca acaacctagt tatgtatgta caaatgggta tcatggtcct 360
tactgataaa aaacttataa gcaatttctg ttacaaaatc gatcttgcta acaggctctg 420
gtgtataagt tag 433

```

```

<210> 450
<211> 207
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 450
gtggaagaat acagaaatat gtttaatact tagtatcaaa ctaaaaagta atataaaatt 60
acaaaacttc ttttttttca tgcacaggct ttnctggta aggaccgctg ggattgaaca 120
gaagcttccg gtaaataagg gccccgtcgg caagacagca tactgctgtc acaagtgcaa 180
acaccctcc accaactgtc aatggtg 207

```

```

<210> 451
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 451
caacttgacc taagtgacat ttatagaaca ctccgcccag caacagcaca gtacatattc 60
ttttcaattg cacatggaac attcaccaag ataggtctca atacatttaa aaggntcaaa 120
attatgttaa acatgattaa caaaacagaa cattttgtag aagagctaga ggattaagta 180
aaaaaaaaant tcctaganta cgnagacact aaaagagtat ataagtgaaa aattgagggg 240
ggatactgtg ccnggaagta cagtgtctac tagaagtttc agaaag 286

```

```

<210> 452
<211> 457
<212> DNA
<213> Homo sapiens

```

```

<400> 452
ccagtcgggt tggagtttat ttctgccaga gcctggaggc tgggagggtg aaggacactc 60
ctttagtccc agagggaagc tccgaaccct cagagcaacc agaaggaggc gcagagcatg 120
ggcagcagca ggagtgagag ggggtcccctt gtccctgcccc ttgcaagggt ttcaaggctg 180
gtggaggcct ggggcttctg tgcctcagga gttcaggggt ggacgcagaa atgggggaag 240
gagagtggct acgtagagag tgagagcgag attcctaaaa agatgcacag agagaccctc 300
agagagaagc agagggaatg gggtgcaactg gctgaggatg gtggaggagc cgtctcactc 360
ccttcctaata gtctatagat caataacgag ggaagaaagg aggacagggg gctgatggaa 420
acacagcttg ccaactgtac ccagtccccc aacaagc 457

```

```

<210> 453
<211> 526
<212> DNA
<213> Homo sapiens

```

```

<400> 453
ttttattctt tcttgaggct tcattttgtt caaggctcact accttgatgat gctttagact 60
tttggttagg atgaataatg tgtttttctt tggtgtagga aggatccgaa gataaagctt 120
cagaagatgg tatactaaca ttttttaggat ctgctgatga agcaatggtc tttaagttta 180
tcatagaagt aacattttta ggggctgctg acagttctgt agataatgtc tgtcgaacaa 240

```

cataacccat	tgggtgtccaa	gataactctc	ttgtacatga	aggagaattg	gtagcggcat	300
tagcagttac	agattcattt	gggttatttt	tcaccactat	ttcacccttt	gataaactg	360
cagctggttt	tactacttct	cttagaagag	aaatgtcggg	agagacagag	tggacaggtc	420
cccacttggg	ttgtttctgt	atctctgaca	tattgtttctc	tgcaccttgc	agttcaggaa	480
agtccagtgt	ggtaaattca	aactcaggtt	tggaggtaga	tacatt		526

<210> 454  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<400> 454	tttttttcaa	ggattcacia	actatggcat	tttattttcag	agccttttgc	tacattttgta	60
	caatatatta	cataattctt	cattgtttgc	agatccta	atatacttta	tagcttttat	120
	tctataagct	tttttcttca	acatttttgc	gtcaacaaat	ctttacagtc	ctgtacaaat	180
	ttgaataact	tgaacaccat	ttcaacaaaa	ttagttactg	taagcacaca	ctacaagact	240
	gaaaatgctt	ttcttagaaa	agttgaatgt	aaaggattct	gacacgtag	catctacaac	300
	aaaacgcatt	gaaattccca	cgctgtattg				330

<210> 455  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 455	tttacacaag	aaagtgtctg	ttacattggt	gtttttgtgt	atttagtgat	ttgttcagcg	60
	ctcatctctt	ccaccagact	gcgcttcctg	aggacaggga	ccttaaagca	cctcacatag	120
	ggtgcgcgtc	tggtagactg	tcgccagagta	ccagacaacc	agtgtctcac	acgggggaag	180
	acgatgaaga	cagcaatggc	atccttggga	agatgggcag	gagaccccat	gacacctggc	240
	acctgggcct	aagctgggag	gccagcggcg	tccccaggag	accacggccc	aggctgggag	300
	cttgaccggc	cagacgcccc	tgggtgggccc	tgggcctccc	gcctgggagc	ctccagtgtg	360
	gcgcctggct	ctgggtgggt	aacaggagct	acaggccagc	aatgcccttc	ctgtcctcgg	420
	cctggctcaa	ggactgggtg	cagagggcat	cagcgatgc			459

<210> 456  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 456	gaaatgtaag	tatacagatt	ttaattttatt	tttaagaata	attgtatat	ttaaaaacag	60
	gacacgtact	gtatgagtaa	acagcgtggc	taacaccaag	tccacactgg	taagcttttg	120
	agaaccattt	acactatggt	gacagtagta	ctgctgcagg	cagacagcgg	aagaataaat	180
	aatagtgtt	caagaagagt	agtgattgag	aggataggta	aagagggcgc	ctcatcgtgg	240
	aagctagagc	aggaacacct	ccccagtagt	gacatgtgca	aagttccaga	tctccacgac	300
	aaagacagct	caacccactg	gaacaaacag	actcccaatg	tggctggcaa	ctgcgggggt	360
	agaagaactc	aggcaaagta	ggcacaggaa	tgggggagat	gagagccaag	ggacaaaac	418

<210> 457  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 457	tttttttggg	agggaagaca	tttactgtag	gtataaagg	ttactattat	taacaagtta	60
	tcactagtat	ttacatgttt	ataaaatgga	aataaaaatg	acatacacgt	ttggtgccaa	120
	aagtggcaca	tccaaaactaa	tatcagtata	aaaataaatt	ttcaagctat	gtgtttttta	180
	aataaagggtc	attgaaacag	taagggggaa	aaaatctgca	tctggcatgt	gttgagatgc	240
	aatcatcatc	acagcaaagc	agccctggg				269

<210> 458  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens



```

<400> 458
caccactaaa aaaggctttt attacaaaat gaattctaataaaaaccaggc ctggtcttca 60
accctcccg ctgggtagag gccctagggg gggctagggg aggggagatg ggggtgggg 120
gccctgaaag aacagagcag gctgccctcc tctcatcagt ctcagctgct gccctcctt 180
tataaagggc tagaagagct cttccaaagc cccttgagag agtccccatc cttccaacca 240
ggatccttcc aaccactgct gtcacaggac cttagcaatg ccgcat 286

```

```

<210> 459
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<400> 459
tctcaggacc caatagattt tatttcaggt ggggataagg gacaagcaat gtgaagacag 60
ggaaggaaaag aaggaagtct ctatgttctg aaggactgcc taccctactg ttgagagtgc 120
cacattctgc ccttttagca attttaatta atttttacta ggacttttgt aacaccacag 180
aaacctgtg gcttctgtt aaaatgactg tgttacatgc cttattttta ttaaagtgga 240
atttaacaaa tacttttatt attttgaagc atttcatcaa ttctcgggtg aagcactaca 300
tcatcgaatg ggaaataaca aatgaaaaat gaaaaaaaaag attatccatt cacagtaagc 360
accattttac tagaa 375

```

```

<210> 460
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 460
ttttcctgaa taaatttata atcttagtag agggaaaagt ctgatgtgat tttaaaaaca 60
gaatcccttc tcgccttact tacttggtac ttaaccatt acaaatttat tcaggaaaac 120
taaaattatt taaagaagag acatctagtt ctagagtaat ctggcacatt catatgtgaa 180
aaaaattaga aatcacttga tacatctaca gtacacaaat agacgtataa acattgtatt 240
ttaataatac tctttgtcac ttcaatttaa atcattccat tatgaaaatt tcttaattga 300
agggagacta tttcttcaaa actctaaatt aaacagagct ttatcaatta agtttacagc 360
aatatagcct ttagaaatac atattttctt attttataat aatacttccc ctttaaaaat 420
ttgccatggt ttgtcacaga tttaaaatac a 451

```

```

<210> 461
<211> 479
<212> DNA
<213> Homo sapiens

```

```

<400> 461
tttttttcta tgaaaagatt taatgaatta tgagccattg atcattacaa actttaagcc 60
ttaatatctt ttctttccta tgtaaaacca ggtaattaaa acagcctgtc tcagtatgac 120
agaagaccat agtagggata atagtaacgt ctgcttcac atctgcatgc ttcgttaacc 180
aaccaaagaa agtgctccag gtttcccaag tcaacaaagt atactcagtt acactttccc 240
tgatcatact atgaattgaa acagaacact cctttgactt ttaatagcac ttttcatcca 300
cggcacaagc actttcccat tattttctcc tttaccctca atatccttgt gaggtagtga 360
agggagggag caaggatttt tttttctat tttgcagatg agaaaactca aggtgaattt 420
tacaacagtg gttctcaacc ttggcagcat attgaaatga ccagaaagtt tttaaaaat 479

```

```

<210> 462
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 462
tactgctttc ttgattttat ttcaaaagta cacaagggtc caaaactaga gcaagttgtt 60
tttcttaaca aattttgttc ttacaaatct caaaatctgc accattggat atataagcca 120
gaaatcgtac atacaaaatc tgaaactgac actgtcagtt ctatactttg cacacgtgaa 180
gtgtcagaat attttcttca gtagtacagg tgtattttat actaaaattc acaattaggg 240

```

<210> 463  
<211> 435  
<212> DNA  
<213> Homo sapiens

<400> 463  
taagtgatga aagactgacc agtagaaggt ggtgaagatg aagaatagtg gaactggcaa 60  
gtaagaactg ttcagacaag cattcattgt gtaatatcca taaacaaaac tataatccaa 120  
aggacttcca ttttagtatg ttctgatgat gtactctaga ctgtcacctc ctctggctta 180  
cagaataatc cagaactttc catagacatt aatcttgctt aacaaaggct gtttacctat 240  
tatacacaca cttttttaag ggaaatatat gtatatagct ttatctatac acacacatat 300  
acatacgtgt atatatagat ttatacaaat gtataaataa acataatact tttcaatctt 360  
tcatttgaca aggcaagttc acattcagca aagtgccacc acatcccata tacacatctc 420  
tgtacagata tacac 435

<210> 464  
<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 464  
tttgaaggga gcagagggga ggcacgcgag ccacggccac gctttattgc ttaagacgca 60  
cacagaacac agaggaacaa acaaggagga aagggcgcca cacacagccc agaccaggca 120  
ggagcggccc agccgcggaa gagacgttcc ttgcaaggca gggccctgct ggatagcacg 180  
ccccctggga cgaggggtcag ggaccccagg actgcacagc tgcagacttg ctgggaacct 240  
ggtacaggtg atacgcccac tctcgctgtg tgtcagagct tctacctctg catccagcca 300  
tgcaccacc atttcccac aggggtacagg ggcagccttc cttgatccac agccaaccct 360  
tctcctgctg tctctggctg tcagtga 387

<210> 465  
<211> 443  
<212> DNA  
<213> Homo sapiens

<400> 465  
tttaggtaaa agatttttat tcttatttaa ccatgctgca tgtatacata caataccaat 60  
atatacaact tgaacaaata caatttatac ataaaataca atgaaagcat ggcttttgaa 120  
actgatgcaa caaactgtaa tttgtaattt tggccagcat acagtattat agtaatgcta 180  
ctgaagttat tcattaaatt agtcagacta cagtataagt tcaaaggcac tagaaacatc 240  
tatgttttct tctagtattt ttaagaacaa aaaataattt aaaataaaac aaatgtatac 300  
attaggaaat tgggcagaca ttggtgtact taaatgtaaa cgctacccat tccttaattc 360  
acagccctgt aggaaagaag actttcctta agagttaagg ggaaggatat taaaaacaga 420  
ctaaaaggaa acaaacaaaa cag 443

<210> 466  
<211> 531  
<212> DNA  
<213> Homo sapiens

<400> 466  
tttaatatatt aatatttgta gtttaatttt ctgaaccttt ggcttataaa tttttctcaa 60  
cttacattta aaaatgtatc aatgcacctt cttcagtagt accacatgaa aatataaacc 120  
tcgttcttcc atatcttcta cgcaggaaga gtgaatgaat agtaccctaa atatcccgca 180  
aagttacttt gtgtacttga cggaagatta gggaaaaaca atccacttcc atatcttgag 240  
cagtagttaa ctagtcttct acctcatctt cccaaatatc gtcgtcaaca tccacagcat 300  
aaaacagccg gttaaaacat ggtgaaccag ggtcattgaa atgtttgtaa gggcgcgact 360  
ctagagagag aacccatgca aatccaacag aaatattgca tacagccagt acatgtcatc 420  
ttgttacatc cgtctaattt ctctatggga gttccacaac atgggcagct ctttgagttc 480  
ttctctagcc actccttact ttccatctct tccagtgcct tctgaatcac t 531

<210> 467  
<211> 416  
<212> DNA

<213> Homo sapiens

<400> 467  
 ttttttggat gagtcttccg ttttattaca aaaatgaaga tcagtttgat caaaatgaaa 60  
 gcttggtcac aagttttaca tgaatattct aaatacaaaag tctcctgaaa caacatactt 120  
 ttgatatgat tttcattttt aaagggatgc aaacattcca ttttctcatt tataatctat 180  
 tccaaggcaa agtattttta taatgtatcc tttctgcagt tagatcaciaa ttcacaagta 240  
 taactgaaac agacaaaacc ttgtcagcaa aggttaaaag tccttttttc tttaaaaaaa 300  
 aaaaaaaaag gaggtaaata accagccctt atgtgttttc agaattttgt actacactga 360  
 catgatttgc agtcagggtt ttcttcttac cccttaaggc tacaaaattc tgttgc 416

<210> 468  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 468  
 gaaaaatcaa aaattttaat cttatcatct ttacatacaa caaacatgtc aagaccccct 60  
 attgtctttg aaaagggtccc ccctcccccg ccaaaatctg tagaccataa gtcttgacct 120  
 aactgacct ggtttgtaaa atatcttctt ctgtgtactt ttcctttcag cctcaggctc 180  
 ttggctgatt cgctcacaac agaagcagct tggcttttct ctggaagtac caatttgaaa 240  
 gccaccagc ccgcaaaccct agagtgtatt ctccaccctt gggtcacaga acttcgttct 300  
 ccccggtctt gtaacccaag gaccctacag cctctgag 338

<210> 469  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 469  
 tatccaacca tttataatct ttattctata attctccgcc agtgctagaa ttttcttccc 60  
 aatggcctc aattcggaca ctgaataaac gataatgaat tttttaaaagc tgtgcttaaa 120  
 tataaaciaa ataaaccgct aagtttttct ggctccaagc acgccatatg aagcacgcca 180  
 atgtcactta tgtgccctga tcacattcag gcaaagtgtt cttcacttta aatactcctg 240  
 tgttccatta ttgtttaagt aaaatcctat ttcaaagtc tttgataaca gagaaaccgc 300  
 ctgtagacia actctttgaa agtgactgaa ttaatgt 337

<210> 470  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

<400> 470  
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 ctaatacaga aataaaacta ttcagcgtct cgttcttgc ttcattttgt ttcacagaga 120  
 tctgcatttc tgagtttcca ggctccaata gcagttctgt taagaacaga cagccagtat 180  
 catcctgagc actgaggtat gctttccatg gccgagacc agccctactc attgcgatgg 240  
 tctggatgtt cactacttga agagccatct ggagggtgtc aggatggaat tctccccgcc 300  
 aaggcaacac ttgctgatga gcaactttta ggctaagcca agttttctca aaataatcag 360  
 cagtaagctg gcgattgggg actagcatga ggg 393

<210> 471  
 <211> 545  
 <212> DNA  
 <213> Homo sapiens

<400> 471  
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 atttggcacc cgatggcaat acaaaatcct ggcagtggga gtggaaagggt tctctctctc 120  
 aaatacttcc atactatgtc gacccaaagg caggacttgg cagcaaggct caciaaccac 180  
 ccaaaciaat atttattgag caccttgact actacaggcc tagcattttg ctaggggacca 240  
 tgggagatgt gaagggaagt atctcacaca tgatatgtct tcaaggagct aaaaatgcc 300  
 gtggataaaa gcaaaacaca tggaaaaaca aagtacaaat aataatccgt gtatattgtc 360

```

aaaaggaaca ttttatcaaa aggtaggatt gtagctaagg ttggcttgcc ttcttcctc 420
ttttattcaa caaacattta atgaaggccc actatgtgcc aagcacttgg tacatgatgg 480
tgaataaaac aaacaagggt tctgccctca tttacagcct ggtaggggag acagaaatga 540
acaag 545

```

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<210> 472
<211> 412
<212> DNA
<213> Homo sapiens

```

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<400> 472
taagatcaat attcattctt catttgccct cgtaacgaaa atagattttt aaatgcctca 60
aatatacaaa catcattgat gcacacacat tccagaaatg cagaggatg ctgctgccac 120
ggggtagggg tgcgggaggg ggccctggcct catggcgcat gaccgtgcc cagcccgggc 180
ctggcaggta gctggccact gataaatgcc actgggatcc taggagaagc tggggaccat 240
gcgtgaggta ctgaagggga ccatggtgga tggcatcctg ggcactttgt agcttgtctg 300
agggaaaggc ctctgctgcc atagaaaagc tggacacatg tcaccctggg gccctgacat 360
cctaaaatgc cccactgact accagtcaat aggagaaagg tctccggcta tg 412

```

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<210> 473
<211> 263
<212> DNA
<213> Homo sapiens

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<400> 473
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taatgtaaat acaattaaac aaatatgggt tactcgaatt aaaaaaatgg cacatgtaaa 120
tgagcatttt agtacaata attaaaatgt atttatatta tatagaaatc tacacaatgg 180
aagatactac taaaatgttg ctctacagca catcacccta gacaaaatag aattctagaa 240
ttctctttta aaaaaaaaaat cac 263

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<210> 474
<211> 317
<212> DNA
<213> Homo sapiens

```

```

<400> 474
tttttttttt ttacaataaa catttattaa gctgtaattt tcacaatatt ttaattctgt 60
tctgagatct acaaatatct ctacataaca ccaaagccag tgattttaata aataagagga 120
atgtatatat cgctttgcaa aaaaatgcct gatacattta tctctatata agatatttgt 180
agaatcagtt tcccaaggct caggaacta aagtgcacac acacacacac accatgtaca 240
cacacacact attcaaatca aatggattta tattaagtgc caaattaaat gctatacaaa 300
attataacc agataca 317

```

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<210> 475
<211> 295
<212> DNA
<213> Homo sapiens

```

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<400> 475
tttttttttt aaattaaaat gaccttttat ttgcctggac aacaaaaatt ttccatgatt 60
ttgctttttt gaaacaatga taagaaatgt ttttttaggc aataagatac taagttgtat 120
caacaaactg catgggatat ttccacaagg agaggatttt gtccctgat ctagtttacg 180
tgacattttt ccttatgctt gctttctctg agctgactct tcttaactg acctagatgg 240
tacctattt caactgactc agagttcatt caaaaatatg atatggtgac atggc 295

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<210> 476
<211> 526
<212> DNA
<213> Homo sapiens

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<400> 476
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ttctcatctt acaagctcaa aatcagacga atgtatgagg gtgtataatt gttatattta 120
taaactgtat caccctaaaa ctcaatgagg acacaatcta tattacattc aacatttgca 180

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tattttacatg atacttactg caaagtaaat acaaaatgaa ctcccatcat tttagttcag 240  
aacacaggtg atataatttc aaaacaaagg caattttttt caacaaagaa cagaagtctc 300  
ccaagtacca attcactatt ttgcagaaaa atacaacact aattataaga tttccattcc 360  
agtttagtca gtaagatgcg ttgtttgttt gtttgtttgt tttgttttta gaaacagggg 420  
ctcactcggt caaacgggct ggagttcagt ggtggcgatc agattcattg gagccttgaa 480  
cccctgggct acaaaatttt tcccactagg gcccgaagag ctgggg 526

<210> 477  
<211> 702  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 477  
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catttgatgt cactcttagc tctgtactga tctctcctct gacttttacg gagggcttgc 120  
anaagtagcc tattgcagcc aaagtttcac tccaaagcta cctctctaag gtctaagggt 180  
actatggtaa agttttatac aacagttttc cttaaaaaata ttccacgatt tggtactccc 240  
aaacaaaata agattatgca ccaactggag aaatttagtca ttctgaagat gtctaagaac 300  
tatatcactg ccaaagaaca tttctcagtt catattcttt ctttcaattt tcatttgcac 360  
atccacactg tgggggttcac aagtcactct ttttccatga tcttatgggtc aagtcaagag 420  
gacttagact tatacatcat tttccaacag ctgggatgcg attcacagtt tgggtgcatac 480  
ccatatgtat gaaaataaga acctcactcg gtttaatcga taattcacat cgagtctcag 540  
attggcttgg gcagtcttca gtactcctca catgagatac tgntacaggt gtcagggttca 600  
ggtcatcgga ttgagtacca gggctatcgg accagagcgt cagtgaagta accacatctt 660  
gctcacttcg acttgcagta accatagcga cgggactgtg tt 702

<210> 478  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 478  
gggtcaacag atacacactg attatctaac ttatcatcaa ttggaagggtc tagttcctca 60  
ttaaacatgc ttttcttatc tcccatgtca agttctggat ctgtatatgc aatgatatca 120  
aactctcctg accttaagag gtcattccagg ttgggatcat tagtttccaa attatctaaa 180  
gtatccaatt caactacctt gccatcctct gtatctaaat ttaagttttc aagatcttca 240  
tcatctaagt ctttgacttc aacccctca aggtctttta catccagttc cttcacagaa 300  
gggtcatcag aatcaagttt ttcctctaga ccatcagaag gctgggtggg tatctgtaaa 360  
ttatcagacg ttgtttcaga cggtagagat gttgacaaag gagcttctga aaattcacca 420  
cctagtggat gggtcagagt c 441

<210> 479  
<211> 419  
<212> DNA  
<213> Homo sapiens

<400> 479  
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ataatatctt ggcttttcaa ggaacagctt ccactaattc caaattaaac tttcacaagt 120  
ttacttgttt ggggagggac attcttatgg tcaccacaaa atacttttat tataaccttc 180  
cccaaactct ttcttagcat taactggaaa aaaaaaaaaa aaaaagctta ggtcaaatat 240  
caactgcctg aaaaacccaa ttaagttact tttccttaaa acatgtgcag tataattgaa 300  
tcaaaagaga aaactgcaaa tacattgtgc tttggccaga agtagagttc atttcatgat 360  
gattcagtat cttcagatac tatttttgac acttgccata aatcttagca aagtaaattc 419

<210> 480  
<211> 474

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<212> DNA
<213> Homo sapiens

<400> 480
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atcatcaaga aaaaaataag gagattaatc cgtctcagta ataaagacag aaaataactt 120
ggacaaacca catcgttttg aatgcaaacc attaatgcct tctagaatat ctctgcaca 180
atctaataca caaaatacgt aagaagaaag gcaaataagg atgagctcat taaaacgcat 240
ttgggagtcg caacagatct tgcttggaaa gtaaaaccag caggatgctg aattaaaaaa 300
caaacaaacc aacactggag gaactgaggt gcacaagcag tgcacgccac tgccgaggtc 360
tgacatgaa catgctggtg gtctagtttg gtctggggcc tatgcacctg catcgtgcac 420
ttacggttaa aaaaaaaaaa aagggaaaaa gaaaatgcc a gtagtaataa actc 474

```

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<210> 481
<211> 450
<212> DNA
<213> Homo sapiens

<400> 481
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ccttgtacag atgacaatct gtatacatgg ggcaggaaaa tgcattcatt tgaacttttc 120
acatctatct cacacagctc acatgtacag acaataaaac tgctcaagca agtacagcaa 180
aggaaaatgt ctttccttat acacaggggt agatgcctct gtgggggtgtg gggcatcccc 240
actgcacggc ttcacaactg tgtggtgttc aatatatcag gagagagaac aaacatgcat 300
tggaataat actgtacaga gaaagtcctt tacatctgag tcatagaaaa cctaaaggaa 360
aactaagtgc attaaagctt tttccagcaa gtgtcttgaa aggacagcaa agaggaggaa 420
gaatcaaat catattagta caaatcactc 450

```

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<210> 482
<211> 135
<212> DNA
<213> Homo sapiens

<400> 482
gatcccaaag atattaaata tatgcaaata ttccaaagtc tgaaaaaatc caacatccaa 60
aaacacttct gacccaagca ttccagataa gggaccagaa ttattagatt aaataaggta 120
tattattaag ttaaa 135

```

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<210> 483
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 483
gatccctcac tttatttata ttcccactat aaccagtaag ttcatttcat aggccctatc 60
atgcattaat cattgnatgn nagnagttaa tgaaaacttt tctgttaca acgccattg 120
cgggcaatga acgtaccaa accgccaagg aagtcattgt tattgcacaa tacatgagga 180
cctggagctt ttccaaaagc ttaaa 205

```

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<210> 484
<211> 409
<212> DNA
<213> Homo sapiens

<400> 484
aaacaataac agrggtcaac cacagatgtg gacctccagc aataaaagca ggaattcagt 60
gccagatact cagcatatta ggtttccctac gtaagtcaca gggtaatatg ttctaaatat 120
ctctaattgt atccaaaacc ctaaaaagag ctggcacaaa accatcgtga atgactgcct 180
ctcttgatgt aaatttttaa aaatattatt acagtatcat agtccccact aacaacaact 240
ggggtacata taacaatgta ttgtgaaatt aagtgtatth attctcttta ccaatagcaa 300
atgytaccct accttagtaa aaccaagact tgcttcaatc aatbctgttt tgtaaaatag 360

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caaagcaacg aatgctgaaa tcattcaaag ctgcattact tggggtaaa 409

<210> 485  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 485  
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tctcataggt aaccagttgt gtttcctaata aggggtgaata catatcattg ccatgaatac 120  
atctttttatc ataaaatgcc aatgagcatc aaaagtaaata ggtttgattg ttgttgtcac 180  
tgttttgttt aagaaaaata gggccttaaa ataagtgtt cagtgggaatt cttgaacagt 240  
aagtagcctg ttgatagtgg acctagttta aagcaccaca caacaatgtg tgtttacatc 300  
acccttttat ttcatagtta gaactaatac agttccacag ggtaaattgt caataaataa 360  
tggtgtttta tcattaaaca taa 383

<210> 486  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 486  
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ggttttaatt ccagacaaca gaatagtggc tattaacaata aaaatcagta agtattctgg 120  
vcattgtttta cttgaatatt caggtagggg rttttatttg aaatacgggt ctagrgctag 180  
tggaaggbga acgcctagag mccc 204

<210> 487  
<211> 425  
<212> DNA  
<213> Homo sapiens

<400> 487  
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tactcaattt gaagttattc aataaagtca aataatagggt aaatacatat gcatacaaga 120  
aaatcagaaa atcttaaaat atttaatcca aaatgaagca agaaggatct tatgtggtct 180  
gaatattgtc actttttata aaaccaagcc tttctctctt cagcagagaa ggctgaaggt 240  
gaacaggacc aacagagatc aaacaggggg acagaacaga aagtaggggg aggaagaaga 300  
gatgttttat tccagaaatg aaggaaagta aattatgttt ttgtatcca aagtcttagg 360  
agggttaggg catgggtggg ctcatgcctg taggtcccag cacattgggg agggccgagg 420  
caggg 425

<210> 488  
<211> 141  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 488  
actcngcagg tagcctgggt ttcagaaaca acgatgaatg atgcaaata ctagaattca 60  
gtgagtattt atcatagaag caacagcaag accactacta ttgctatatc taagtaatat 120  
cccagttaat tgcctagag t 141

<210> 489  
<211> 421  
<212> DNA  
<213> Homo sapiens

<400> 489  
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ccttttgacc ttttaggggtc tagggctgta aagtgtctca gggttgctgc caaacaagtc 120  
atgaactggg ctggattttt atatttgatg aaaaagagcc taaatgctat ctgatttcgg 180  
ataaagaaaa aggagcatta acctgacta tgccttttagc tccagccacc tttttaagag 240  
taaattgctg ggcaggaggg ggagggctag tcacggaacg aaactgtaag ccggaccagg 300





taagatggta	atataggcca	gatcaggaat	tagaaaaaaa	ggataaagag	caaaacagtg	180
cctcgtggcc	agcaacctta	tagtcatgta	ggactgactc	ccctttgtag	caaagaaagg	240
tgagactggg	tctgcagggtg	gacacctcca	acaggagggc	aacctgttcc	agctctaaca	300
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aaaaactagc	ttgccctgat	ggcaaaaatc	ttaatcccta	aaatctcttt	ccnttctaaa	420
atcttcttcc	cacgngtttt	tagggctggt	cactcaggan	caagctgttc	taatttaa	480
gttt						484

<210> 494  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 494						
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tgatttcact	tatgcccagg	ctataaaatg	cctttctctc	atcccccagt	agagcactgg	120
gatcaccact	aggcctaggg	ggcatatcaa	gggtttaata	gactggggga	atgggcaaca	180
gaactggcta	ccttagaggg	tctggaatgc	ccccaccca	tccaccacc	aatggaagga	240
aagtcaggca	tcgctaaaag	gagtgggtcc	tatctagccc	caagtctgga	gcagaaaggg	300
caggtccatt	ctggcccaag	tgacattggt	aagatcctgt	cccctcccc	aatcactgct	360
gcttgccagg	gtgcctcttc	acagttccca	tgtggcagca	gtagtggcag	aggcagaagt	420
ggacttattg	ta					432

<210> 495  
 <211> 428  
 <212> DNA  
 <213> Homo sapiens

<400> 495						
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ccacaaaaaa	caaattttat	acaaatcagc	actgtaaaaa	tgtcaattac	agccccagag	120
gctttgctgg	cagaataatt	gtctaaatcc	tagaatatgg	gaaacagggt	tttttctgga	180
ttcatctttt	tttttcattt	tttttttttt	acaaaaaaaa	tttacaagtg	aatgtttact	240
acaaaacttt	ttataaggaa	tttttgcaaa	acattttacat	tttaccatca	actatttctg	300
ttttaaaatc	attatgtaga	tttaataccc	tatgctgcac	atcaatttat	gtgggatgac	360
aacttagtga	catgcataaa	aaaacaccac	aaggcattaa	aatggagact	taaatacaaa	420
tattgttg						428

<210> 496  
 <211> 250  
 <212> DNA  
 <213> Homo sapiens

<400> 496						
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cttgacagtaa	ttaaaggagc	agccttgac	tccacctcca	cactccagag	tataattaaa	120
agactcctat	cagacatttc	tatcaccaat	aatgccaaac	tctgtataca	gcagcaagaa	180
cgggcccaaa	tcagaagatt	catgttgctt	gctttctcta	taagggaag	tgaagctttc	240
ggtaagtatc						250

<210> 497  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 497						
aatgcacctt	tctcttattt	tattttttta	aataagaact	tggcattgaa	acatgaaact	60
tgagttttga	aaactaccct	ccaagatgct	gaagtatggt	tactttttct	ttgtaaaagg	120
gggcttaacc	tatgtttctg	aagggtctaag	tctgtgcaga	taaattatat	gacatgtatc	180
tgttttttaa	acactctata	tgctgggtact	cacatagaaa	tagaagccag	aatgagaagc	240
ctcccaaatt	atcccatcct	gacag				265

<210> 498  
 <211> 193  
 <212> DNA  
 <213> Homo sapiens  
 <400> 498  
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 aaaatgattt gctattgaca agtctcaaat ctgtcatggg aactcaaaca agttaccagt 120  
 ctgttcaccg ttcattgtat tctataaaat atttgataac agtcacccac tacagacatt 180  
 cttttccctt gtg 193

<210> 499  
 <211> 319  
 <212> DNA  
 <213> Homo sapiens  
 <400> 499  
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 aatgttcgcc ccagaaaata ttgtctgctt tgggtcttgct gggtgtacga gcaaagaggg 120  
 tatcatcaag gcacagttcg cagaaatatt tcttttttagg ggcaaggctc ttggcttcaa 180  
 tgatccataa acgaagaaca ttttcagctc gcctgcaatt gtccttatta ggttgaactg 240  
 tcttgcaag gttttccatc cacttgtctc tctcagaagc agaattacag ctgaagcatt 300  
 tacttccact taagtaggt 319

<210> 500  
 <211> 453  
 <212> DNA  
 <213> Homo sapiens  
 <400> 500  
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 tatgcatttc acagaagatt agtaaaactg atggcaactt cagaattatt tcatgaaggg 120  
 tacaaacagt ctttaccaca attttcccat ggtcttatcc ttcaaaataa aattccacac 180  
 actatcaaac taaatcaaga tttgctagt gataaaatta ccataaatat accgtactct 240  
 ctctgaaaca gctacaaaca tcttggtttt gcaaaatata caatgtttct caatctttct 300  
 gtccttatct caatttgcaa aaatatattt aaacaatctc ctttaaattgt tattcttggt 360  
 aatgagggca aatcttttaa aatccacatg ctagatcttg aaaacgcttg agaagaaaat 420  
 aaactgtgaa aggagtgggt atttaaatat ttc 453

<210> 501  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens  
 <400> 501  
 tcatactaaa gagaattttc atatttatcc ataaaaataa tgagatatat ttccagctga 60  
 tctcttccaa agttctttat atggttggtt aaaaataaat caaacataa cagatacatt 120  
 tgatgggtaa taagcatttt acattctgta ataaatttta gaagatatta ggggcaattc 180  
 taaaaaaaaa taagtttatc taggattcct tcaaggtttc ctattttgct tctcccattt 240  
 ttaagttaag aacacaacaa aaatgctttg aacaaaagca aagacagagt agtgtagc 298

<210> 502  
 <211> 303  
 <212> DNA  
 <213> Homo sapiens  
 <400> 502  
 tttttttttt tttctgttaa ttttttacag ctttatttta gacagatagt ttaagaacca 60  
 aagacatacc tctgtaatga taaaggaaag aaaacaagct ttccttttaa gaaaccaaag 120  
 agcacaaaat aagactgttt cattatacat aatcaccaca ggatattagg cactctgaca 180  
 ggggttaggca agattcttg tgtgaggtga agcacaggca ctttatttgt acagtgtctgc 240  
 tgattctaata tttgaaggta ggtattataa aagtctttac ttgtcacctt atttctggcc 300  
 cca 303

<210> 503  
 <211> 320

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<212> DNA
<213> Homo sapiens

<400> 503
atgttggtgaa aaggaatctg taaaagtcag ttttatcaca aattgtaaat attattgaaa 60
ttgattgcaa atttagatca catacaaatg agagtctgac attcaactgt tttcctatat 120
tccaaagtaa acaattcctt tcaacactca agacttaaac aggtattcctt agaggggttat 180
atgaattgct atcagaagct gttggctaac aagccagtaa tttgggttctt tcaccagaac 240
acagttccag ataagcatct ttgcactatt tctcaagtat gaatccccat gtgggggggaa 300
aacggatata ctttcaatag 320

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<210> 504
<211> 412
<212> DNA
<213> Homo sapiens

<400> 504
ttaaatgtat aaccttaaatt atttatttga gaaaacaaat aaagatccaa atacgtgagt 60
tgatcatctg ataaaagtaa gagttgacaa aaaaggtaca tcttctccaa tccgaaaaca 120
gaaagtggga aagatcaagg tatcactaga ggtcaatgaa acaaaacata caatagtggga 180
tgacaaaagc caatctctga atctttgaaa agaataaat aaatgaacat ctgaaaccag 240
tgatcgagaa atgtttttaga taaggcacia aaagatacca agaattgtta cactaggctg 300
tacatcctaa aacagtcaga tgagctcact gttataattc tggttcaccc caagaacctt 360
agcacaaaaga aaggactcaa caaacatttg gatccatgaa taaaattatc tt 412

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<210> 505
<211> 351
<212> DNA
<213> Homo sapiens

<400> 505
aagacaagggt cttactctgt tgcccaggcg ggagcacttt gatttaagtg aaaaaactca 60
atgcatcctg gaggatatcc tagaacagaa catggaactc ttctgcattc cttttaatag 120
ttgcatagaa ttccattgtg tatatcgatc gtgatttctt ccaccagatt ttgttgatgg 180
gtattttttt gggttggttc tgggtctttg ttctcatgac tacatcttaa ccagtgggtc 240
taagatgtgg taccagaac aacatcatta ctacctaaaa atctattaga gaatgaaaat 300
tattgggtgg aagcccagat ctactgaatc agatactctg aagtgaggcc c 351

```

```

<210> 506
<211> 497
<212> DNA
<213> Homo sapiens

<400> 506
tttttttcag tattttcctt cactttaatt tttattgctt ctccagttca gataattcag 60
cgcttcctct ttcttcttcc tcaccttggt catggctggc tgttccatca gcagaacttc 120
cagcgattgc cacattcatt gcataagaca aaggtagtca tgggctcatc agcactgcgt 180
gtctgcacct gggtataggt gcagttcttc ttcttgcat tgcctgactg gaagaggtca 240
gtgggtgggc cgccagtctt ggccatctgg tgctcacgga tggcctcctg ggtcatggca 300
ttcctcaact cctcagttc atcactggcc atttctctct ccgtcatctt ggctataagc 360
ctgcggagat ggccccactg agcacgttcc gccgcacgcg gggttcctgg ggtccttgag 420
gttgcttatg cggtgcgca cgcggttcgc gtaacttcatt tccgtgctct tgagctcttg 480
gtagatatga tcttcga 497

```

```

<210> 507
<211> 449
<212> DNA
<213> Homo sapiens

<400> 507
ttttttttgat tattgattta ctgtgtaatc aagagcaacc aaaactactt 60
ctcaattaaa agtaccacac aaaacttttg agccttcatg ctacttcaag ttaaaaagaa 120
agcaatgcag cttgtgggtt tcagaaaact gggccatccg gatgttcatg cagtacaagt 180
ttcaccacca tactatttcc gagagttcac atttgtcaaa gtgcagttaa cccaaagttg 240

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cagcgacagt	atatcatgcc	agctgaatcc	agccacgtat	ctgagatagg	atcatatttc	300
tgcactgtat	tcagatagga	agaccctgag	tgaccaccga	cgacataaag	gtagttatcg	360
attacagcag	caccaactcc	tggttctaggt	tcttttcattg	gtctacacac	agtccactga	420
ttttgatgag	gatcgtatct	ttcaatgct				449

<210> 508  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 508	ttacaaaaga	aaacacaaaa	ccagaattta	ttgaaagtag	gtaccagctc	tgattagaac	60
	aatcagctca	aagataccat	tactcagaac	aatatataca	aaaatctcag	ggaaaggaga	120
	ataaaagaac	ttaaaagaat	acaacttgaa	caggactgtt	ttactaaaat	ggtcttggtg	180
	caaaaataata	acaaataacca	cagagagccc	tacatgagaa	agccatgtgc	cttcaagcct	240
	ggggatgagg	actctagttc	tcaaattcct	agaacatagc	acatgattct	ccaggcagag	300
	aggctggctg	gagaatgagg	acctcactgc	tgactctgct	taacaaagtc	catgccccag	360
	gcacaggcac	acatggaatg	aggccaccaa	gcaagtca			398

<210> 509  
 <211> 457  
 <212> DNA  
 <213> Homo sapiens

<400> 509	ttttgtctaa	agtactttcc	tccatccatt	actcactcta	aatgccatgt	gtccttacgt	60
	attacaaatc	catttctcta	actactgaat	tttccattta	actcatggca	ttaggatgct	120
	gaaatgaaaa	aagcagtcag	ttacctcttg	taacaacgga	ataatagtat	gcaggggcat	180
	ccttaataca	gtcttcttta	taagggtttac	attcctagtt	tgaagtactt	tctgtgagaa	240
	aataaaaagga	ttattaagat	gagcatactg	acaaaccaag	gacatcacag	aaaaaaaaaa	300
	gtctgtaaaa	atgaatccct	taaatcattt	aagaccaagg	caataaacta	caaactgaat	360
	ttagcaaaaa	taaagggttg	agggactgaa	tggagtatgt	tatattacgt	cttgtgctta	420
	acagacaagc	acagtctttg	ggtatcagta	aattttac			457

<210> 510  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<400> 510	gcagctgttg	taaaagtggg	tgagttcttg	atttgattct	ctgcttggtc	actgtagatg	60
	catagaagag	ctactgatct	gtgtacattc	atccagtatc	ttgaaacttt	gctgaattat	120
	ataatcagtt	ctagcagttt	tctgggggaa	cacttagggg	ttggaaatta	aataacctgc	180
	tcctgaatga	gctatgggtc	aaaaacaaaa	tcaagatgga	aattaaaaaa	ttcttgaact	240
	gaaagacaat	aatgacccaa	cctatcaaaa	cctctgggat	acagctaagg	tggtgctaag	300
	aggatagttc	attgccctaa	atgcctacat	caaaaattct	gaaagagcac	aaacagacaa	360
	tctaagggtca	caactcaagg	aactagggaa	c			391

<210> 511  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 511	tttttttttt	ttttagtagta	aatggccaga	tgttttattat	tttgttacat	60	
	tattttccatt	gcataattcca	catctattta	ttttcacttt	tattttattat	cattattttt	120
	cacaaaggta	caaggaatth	cagaaacaac	attaaaacaa	tcattcaaac	tgtttcaggc	180
	acgggtttcaa	ttaaaagcat	agattttgatt	tctgacttcc	tgtttccttc	tatgatacaa	240
	tctcaagttt	tgtttcagga	agcacaatta	ttgtagcggt	aagggtggata	cctgccaaag	300
	ctcatctcct	agtgtgtgtc	tcattctcag	aaagttcctg	agtcaacaga	aaggggacgc	360
	ccagggtatg	gaataaggag	atgagagcat	gctctgccaa	ctggctggga	c	411

<210> 512  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 512  
 ttttttttta tccagagaga ttaatacaca gattaataca caaaactttt gtaaatagca 60  
 ttccagttca aagttgcttg tgatcatagc cacgtgtgaa ccgttagaca agtgtatgct 120  
 atgccccaaa atgttttata attcttcagt gcagtttctt actgatgttt cccttaaaat 180  
 taaggcttaa tgaaagagaa atccatagta ttatgaactg attttcttta gcttctgaat 240  
 taagtgcact ctttccaaaa tcaagtggg 269

<210> 513  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 513  
 ttttttttta gtgtagatat agacttttaa aggtaaaaag aaagaataaa gatggagggt 60  
 gtgataatcc tatgaagtgt ctgggtttgg gtcctgaggg cagccaatta catcccagac 120  
 tcaactggcaa tcaacagtc cagccagggt cccatcagct gaatcctgag gtgggggatgc 180  
 ttcagtcttt acagaacagg gtcaaggaag agtccagaaa ccgccgtcat tggcttcatg 240  
 aaaaccgagc acgtctttga gatctttttc aaattctgcc tctaagtcaa gtcctacctg 300  
 gccaaagtca gaagccttgt aaaatgtttt atgggtgcga aacatcaggc gcatgtctcg 360  
 cacaaa 366

<210> 514  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 514  
 tttttttttt tttttttttt ttgacaatga gaaaaaattt tatttatgac 60  
 gatcttgagc agtataaaac tcagaagctc cactgagggtg aaggaaacat ggacatgata 120  
 ctaagcaaag cctagtcttt tccataaaat gaataagaag tacatttggt ggagtgtgag 180  
 accagcctgg gcaacacagt gagaccctgt ctctaaaagc attaaagcat taatcctcgc 240  
 atttcgatag ggctatgtag cttttaagta agcaatgtta gaatgagttg tagagtttta 300  
 tttttgtgaa tatagtgagt gacagatggc aattacatga ggatatttga acgaagggtac 360  
 ataagcctaa acaatttcac ctaggtaaaa tattgatgtc ataaccaaac tatatggc 418

<210> 515  
 <211> 195  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 515  
 gatcagaact gttaccaaaaa aacaactgtc agttttattg agatgggaaa aatgtaaacc 60  
 tttttttatt acttaagact ttatgggaga gattagacac tggagggttt taacagaacg 120  
 tgtattttatt aatgttcaaa acactggaat tacaaatgag aagagtctac aataaattaa 180  
 gattttngaa tttnt 195

<210> 516  
 <211> 125  
 <212> DNA  
 <213> Homo sapiens

<400> 516  
 gatccatgct ttactgtgtt taatgggggt aacaggggtc cctacagccc tcccagctaa 60  
 acatttggaa caaaacacca gcccttttgt agtggatgca gaataaaatt gttaatccaa 120  
 tcaaa 125

<210> 517  
 <211> 353

<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 517  
ttttttttttt tttttttttt gcttcacaaa tgtcaatttt attgacacta gtgcacaact 60  
aaatacaata attgcaaagg aagtggaacg tgttcaaaca gaaatggtga caatgagtta 120  
gaactgcagt tntttcaagg tactacacta ttatttataaa aaaaaatcac aaanagaaaa 180  
atgtttatcac tacaagtagg gatttaggaa gngagnaaat tctgggcagt ctgtctagna 240  
gggttaaaac atttcatggc atttgtgagt tgctgttggg gagttgtttt ttatttgtcc 300  
accgtaatct gggcaacatc cgggggctta ccttcagctc tcggcactgt gcg 353

<210> 518  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 518  
ttaggaagaa ccaaaaacttt attattaatg ttctgtttat ttacttattt ttataaatat 60  
tttataaata aactttattc atataaaaaca ggccaaacat ctgactttca aaaatggcta 120  
ctgttataaa atcagaaaca tagagtgttg ggaatactga aattttctaaa cctttatgaa 180  
taacacaatt gcttaagtta tatccacaaa gaacagaaaa gaggcaagct tgaaaatgtg 240  
aggatagaaa ggtatcacag tgatgtgttt ttacgaaaca gtaccttccc 290

<210> 519  
<211> 453  
<212> DNA  
<213> Homo sapiens  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 519  
aaaatcaaaa taaaagatat tatttgagct attttcatac aaactgttgg ttccttatat 60  
cctcccttct ataataaagg gcatatttta ctgcaaagaa aattttactt tatatatatc 120  
actagccata aatttttgaa tgtcattaat tacatgttgt ctagtaccat taaccaaata 180  
gcgtaactat tttatgtcca catttcactt ctgtatttac aaacatatca gtaaagagtt 240  
aacaatgaga tgcgatcaaa catccatatt atctgttttg tagacagcaa tgtagatgat 300  
tttghtaatca cctttcatcg gagtgacctt atataaaaaa taagtcaata atttagaggt 360  
tctaagtctc caaaggggga ttttccaaat ggtaaataata ggaaatgggg tataggataa 420  
tggggannttt tagggaaccc ccggccntgg gnt 453

<210> 520  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 520  
tttctgtttt tatttatgcc tttatttatt ttaccaata gttgatatac ctatataata 60  
ttcacgtgcc acaaaaatat gagaagatta catgtgaata ttgatctcat ggggtgataaa 120  
gtatacaaaa tgttgattaa ctgaagcaga aatccattga gaaatgctta taaccatcag 180  
gtattacatt tacagatgtt gccaaagtcaa agttgaacat ccacagtggg aactcatca 240  
taaactctgt ttaatcttta aaaggagaca gagaaatagc caagtacgta gaataaaatc 300  
tgcctaataca ttctcctacg attcttctat gcttgagttc gttttatagg agtcttatta 360  
catgcacgtt tacattcctt cccgatatac atattctcaa ggaaacgtgg catcctgtag 420  
cccctgctta gaat 434

<210> 521  
<211> 346  
<212> DNA  
<213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 521  
 aatccttacct atagacttgc atgattcaag ataaaaatgct ttttaaagga gaaaagggtac 60  
 agaaaataat tttaaattct gccggaaaga ctgggtataat gttctaaagt cactcactgg 120  
 ccataaccta tctttgctcc ttaattttctc attaatccta acatcaccct tagacacagc 180  
 ctgggtatctc caacgacact cctcttaaat aagccttgcc tagacctgct tctcagcatc 240  
 aactgtttctt tctacctacn atgcnctcct ctcccatcca aaggatctct cttttaagac 300  
 ctaaattgag ttcttccagt aaactttcca caacagtcac agccca 346

<210> 522  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 522  
 tgtagagaca ggcgcttact atgttgccca ggctcggttt taaactccaa gcctcaagtg 60  
 atcctcctgc cttggattcc aaagtgcctgg gattatagtt gtgagccact gcgcccaaca 120  
 ttcccatgac ttttttgtga aggaggcatt caccaagctt ttcctaattct ttaccataag 180  
 ccaggctctg cggtaaacac cccacaataa atgtttatca gaggacttag cagggaagta 240  
 cattaaatgt taacgcctta atctgatact gaaaataaaa gataatttca acttggtttt 300  
 tnaa 304

<210> 523  
 <211> 147  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 523  
 ttgacaattt taaattataa tttttattcc tcagtcacca ctgctaattcc ttcaatttat 60  
 ttcaaagtaa cttctggttt ttattacatt tggaagataa agcaacttat cacatgtagg 120  
 ttacaactta aaattcgtgn attgang 147

<210> 524  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 524  
 gattttttata ttttattatg tgtttccttt tactgaagat ctttgtatct tcataaggct 60  
 ttgaataaga gagtttggtg aggtttatgg gtacagatca atataataat aacggttaac 120  
 aattttttttt ttttgagata gggctctctct ctgtagccca ggttgaggcg cagtggcgat 180  
 actacaagcc cactgcagcc ttgggtctccc gggttcaagt gattctccca cctcagcctc 240  
 cccgagtcac gggnaaaaaa agggccctng ccaaaaggcc tgggaaaaat ttttgggnaa 300  
 tcctttt 307

<210> 525  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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<400> 525
gcaagtttaa tgtctctgct gtacatagan ttaagaccct ttccccctcc tcatccttat    60
gctggcaata ggatattgcac tagaaaattt gactcttaga gtcaatgant aaaaggatgg    120
gctcatcacac cttcatagct cttttcaaaa aggatgctta taatttaaag gatgtcctaa    180
tggaaggaag aggtacaggg caagaggctg tttcacattt tagtccatta gtctttgggc    240
agagccaacc aaggccaant tcacctaggg atgcccattg gctgtggggg atctccacag    300
gggtcaaggt aaggcaaacc ccaattggaa catgtttggg atttaaaaaa aaaacaagtt    360
ccttggaac tctttgnagg gnggggcttt caccctggna aag                                403

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<210> 526
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 526
ctctgtctga aatgggacat gaaaggagta agaggatggg ggtgaaggga agggaagggg    60
ataaggaaaag gctaggtggc cacatctctc tgctgtgacc tcgccatctg gaaaatnttc    120
tgaaaggaaa aaaaaaaaga gttattggga aggcacatct cctcttatct ggagacaact    180
ccacaaacag aagctaaaaa ggtatgcctg ggatgactca atctgattgg ccacatcttt    240
cttgatataa cttctcatct agantcatag ccttttagag ccggaaggga cccttgggat    300
attaattacg tgggttcagt ccttccctgt tttcacagaa gaggaaaact tnaaagctta    360
ggggaggcct gattttaccc ccnaaattta ccaccagnng gggaaaaaaa ngcccnnggg    420
ggnaaccccc                                430

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<210> 527
<211> 390
<212> DNA
<213> Homo sapiens

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```

<400> 527
ggctttcata attatatattt tcttttaaag aaaaatatca acccattgtc aatgcactgt    60
ttttcaaagc atttaaatag agggtaaaac cctttggaaa ttaatacaga agaaatgatt    120
cactttatgc ataaaaaata aataataata tagctgagac atgtggtttg cttctgctct    180
tgaagatgtg aacagcttct aagcattcat tttctctgac ccatacaaca gcttctcagt    240
gatacagggg ttaattttaa cacatacaat gtccaccccc aaaccttctg cccacatcta    300
caagttttat ttattttgtg ggttttcagg gtgactaagt ttttccctac attgaaaaga    360
gaagttgcca aaaggtgcac aggaaatcat                                390

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<210> 528
<211> 144
<212> DNA
<213> Homo sapiens

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```

<400> 528
gcatgtgcaa aacaccagac acatacagaa acaattagga ttctatgagg gcagagaatt    60
tgtttctcta aatggggctg ttcaatgttt cacagagcac aaggacaaga aattcaatat    120
ttttgagcag aaggagaac tcat                                144

```

```

<210> 529
<211> 315
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

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```

<400> 529
gcttctaaat ataaattttg ctatttagcc atcagctaaa tgatctaaat gcaaacccca    60
aagtttccag ttaaagatat aaanctgct tctaaccaca gcagcatact gcttcaagta    120
ttctcctcct atgtaaggtc gagataattt tgtcacatat gaattttagg tggacatctc    180

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atttcctcac atattagaca tcctgctggg gtcacagctt ctttgttcca tttgtctttt 240
tttgttgttt ttttaataaga cattgcaaac agtagctatt tcttaaagtg acataatttt 300
cgctttttgca ttctg 315

```

```

<210> 530
<211> 484
<212> DNA
<213> Homo sapiens

```

```

<400> 530
tttttttttt tttttttaaat gcaacatata aactttattg aacaaaagta aactgtttca 60
gtaaactcaa acaggcactt aagagaaaaa ctgactggaa gaacttttat cttaaaccatc 120
ttacagtaac ctacttgacg ttgcatTTaa ctgagctctg ttgctgtgaa gaatacagct 180
catgcacagg tatggatgaa agattttgtac atttctcaag tattcactga atactacctt 240
atatacacat atacattaaa tttgaaaaag atttgacgat ccccagataa acttcatttt 300
tgttgatctt ttggaagagg tcgtctaaag agaagaatat gtggttctgg ctcatgaatc 360
atggtaatga acccagccta gactctgttg gacaccaagt ctctccact cctcttcaga 420
catcagatga gttttaggta cttgtttgga aagttctctg gggtaacata acatgccggt 480
acta 484

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<210> 531
<211> 287
<212> DNA
<213> Homo sapiens

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```

<400> 531
tttttttttt tttttttttt ttctatctgt gaaaaacatt tattctgaga atctaaaatc 60
tggaacaaagt actggacttt agaaaaagcc tacacaaaat tgtctcattc ttccctaata 120
cattaataat ctaagaataa ggaggtgaaa aaaacccttt aaaaataaca ttgctccagt 180
ttgtctgcag gtatgtgatt taaaatatcc ctgttttatt gaggtatagg ctgcaaactt 240
tggtaaaatt aggaaaaatt aacaaaccct ttcaaaagaa aaaaaat 287

```

```

<210> 532
<211> 428
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 532
tatttttttga gacgganctt ggctctgtcg cccaggctgg agtgcagtgg cagagtcttg 60
gctcactgca agctccacct cccaggttca cgccattctc ctgcctcagc ctcccaagta 120
gctaggacta caggtagccg ccaccacccc cggctaattt ttttttgat ttttagtaga 180
gatgggggtt caccatgtta gccaggatgg tctcgatctt ctgaccttgg gatctggcca 240
cctcagcctc ccaaaatgct gggattacag gtgtgagcca ccacacccat cctcgcccag 300
ttattaatac ctccctctt caagtctaa ccttgcaggc taattcctcc ctggaagaag 360
aggattccaa tgctcctgag cataaaaaat tcaggctcctt gaatgacgtg gaccattct 420
ccagctct 428

```

```

<210> 533
<211> 496
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 533
ttttttttgag ctttcagagt ggttttatca ttaaattaat atctaatac ataattcaaa 60
gatataaaaa ttggaatgta gaaggtgggg caagccctc cctcaggact ggaggcggca 120
cagggacaga gccgcaactga agcgggtgag cgtgcgagaa acatacagcc gagcagntgc 180
cccgaacact cagtccaggg ttggaagcatc gccccggcac ccccaaccc ccgagcccac 240

```

tgcgaccca	caggaagagt	gcaggctttt	cacatttcag	aggggtgggt	ggggtgggt	300
ggggcggggt	gggccccctgg	cttttggggc	tgccctccag	cagccctgga	aggacacagg	360
cggtgatggt	gggagaaagg	ccccctctcc	caggggaggc	ctccttggtcc	tgagcttggt	420
ctnaggtctc	tgttccagta	acagatgctg	gtttttgttt	tgtttttttt	tttaagacaa	480
ggtntcgcc	cgtgcc					496

<210> 534  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc. feature  
 <223> n=a,t,g or c

<400> 534						
aagaaagaaa	ataggaaaag	gtgtcaagca	tagaggaaca	ctcaaaagag	acaaaacatt	60
gacctcagca	ggccaagaac	tgttgaaaaa	taataagatg	agacaatcct	ggggctgtgt	120
gggcagtcgt	gttccctgag	gccacatttg	gaacagtgc	tctttatgcc	agaaatttga	180
gcccagagatt	actacattgt	gatcttatga	tcaaacctaa	caagacaaag	acacagccaa	240
gtggtactgc	ttttaatatc	tcagagttag	ctgtagggat	ccaattattt	tcagtttgga	300
tacatttccc	ctttatcaat	atctccatgt	gcataaataa	gatgaaagtg	gagttccaga	360
atcaaaaaga	gatgggaact	cacatcactg	gggcagactt	gttccatctg	gaagtgtacg	420
ggccagtctc	tcccacgtgg	atttcctgat	gtctggcccc	aaatcttcc	atcgaaggcg	480
acatcctttt	tn					492

<210> 535  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<400> 535						
ttttctgtgt	gttaaaataa	tgtaattctc	cctgtacatt	tctgtccaca	tgagccaata	60
aacatcaaga	atacacactt	tacagtattt	acctgtttta	agacattcaa	gtcaattcag	120
atggcaaaaag	tagaattcaa	tcaactagtga	aatgttttaa	aaatatatat	taaacccaaa	180
aagtgttttt	acaagataaa	aaataatctt	ccacaatgta	attaattgca	gatcactgaa	240
attttaactc	tttagatgat	ttcagttcag	ttttttgggt	tcaaaatcta	gagacagtca	300
aacaaaagca	caggcagaat	ctctatctgt	ttttacgttt	ctctttcttg	ctttgactac	360
ttgttgcgct	gtttaaagac	gatgatgaag	gtgctcttgc	atgacctgtg	gccttttagat	420
gggtcaaaaa	gtttattccg	agatggaaat	tcactatggg	caggttgtag	agctggataa	480
gaacactca						489

<210> 536  
 <211> 459  
 <212> DNA  
 <213> Homo sapiens

<400> 536						
catttttctt	tttagagaca	gctctgaaca	cagaatgatt	tcataatcag	ggacattttt	60
gagacaggag	acttcatggt	tccaggcttt	gagtgaagg	gagaactcct	aaaggaccca	120
cccaggagat	gacactgcct	gaacagataa	ctgtccctgt	cgctccccc	tccactctac	180
agcgacaccc	cttccacagc	agtcagctgt	tttccaggta	caagagacac	ctcaccaccc	240
tggccagttt	acagaccagc	tttcgagccc	agaaatttcc	ctgtaggaaa	tttgaagga	300
ccactggctc	atggggagga	aataaatcaa	taaaaggaaa	aaaaaatgaa	taatactgtt	360
tttttaaaga	gagaatgcaa	tcatcctttt	cttaagaaga	cagaaagcca	aggcattata	420
tttaaataaa	aatttaaata	attgaatgat	tttaaaaga			459

<210> 537  
 <211> 401  
 <212> DNA  
 <213> Homo sapiens

<400> 537  
 tttttttttt ttttcccgca gtcacaaacc atttttattac ccacattgtg ctgtgacagg 60  
 gagggggtctc caatgaagag gacctagcac tggaagggtga tagccccaga agagaagagg 120  
 cttcttttctc actgtgaggc agaaacaaat ttatctgtat gtaaactttt ccagtaaatgg 180  
 gtgatgctgt gacacctgca gaaagcagcc tccctctgtt actactataa acacccattc 240  
 tgcaggcagt gtgagggcac agccttctgg agtgccacac ctgggtacca cggcacactg 300  
 gtgcatcccg ggaagatggt cctagggcac cacatcttgg gtaccaagag gactgtgtgc 360  
 atccaattag accgaggtgc aaaagccaat gcgtcaacat c 401

<210> 538  
 <211> 431  
 <212> DNA  
 <213> Homo sapiens

<400> 538  
 tttttttttt tttttttttt tttttttttt tgctggagtt agttttattaa agatgcctac 60  
 ggtgaactct ctggcgcagg ttaaatgcag ttttgaaaac ctggaaacat caaatggagg 120  
 cgggaaatag gctggggcga cgttgagggg ctgaacacag cagtgaccgt gggtcagcag 180  
 gtcgcctgcc cagcagctcc tccaggagag ggctcgggag cccctggcag ccgccatacc 240  
 cccaggacct ggctcgtgag tgcgtctggg tcaggaagag acctctctgt gcgtctcagg 300  
 ctgagatgca gatttctgtt ttctaaaact ggaagcgacc ttgacgtgta ttgaaggtgt 360  
 gtgtgccaaa tgcttccgac ggaggtgctg gccttggttg gtttctctct gccccgtgtg 420  
 gtcacatcaagt c 431

<210> 539  
 <211> 188  
 <212> DNA  
 <213> Homo sapiens

<400> 539  
 gcaataaata aaacttttat tcaacaagt aactgcagta cagggcaciaa ttcagatttt 60  
 ttaaaaaaaaaa ggaaaggaaa caggaaaaaa atatgttcag cactttacat cttcatacaa 120  
 gtgttgctgt tttgtgtcta cattcatcca ttgagcatgg aatcccctgg atttgaaatc 180  
 ttttagcgg 188

<210> 540  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 540  
 taacagtagg aaaaaccaca ctattaaagt ataaaatttt gtcaaggctc tatttttctaa 60  
 gcctatataa aggccaggta gtaaatatatt tgagctttgc ggcccatgtg atctctacta 120  
 cgagtactca accctgctcc agtaatatga aagtagtcac agacaactgg aaatgaatgg 180  
 atatggctgt atttcaataa aatattactt acaaaaatag caggaccaac acttgctgac 240  
 cctcacttt cataggtttt ataaccttat taacttttaa aaggtagttc tacaacctct 300  
 caaatgagaa tgaaaatgaa gacaaagcta ctttagtggt ttaaag 346

<210> 541  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 541  
 ccgtgtcact tctcacttct aaatagctct agacttggtc ccattgcact aacttaattc 60  
 actctccatc atctttggct tggagtacaa ctccgtcctt ccatctaata tgctgtctc 120  
 caatcgttct cccctttgat gtgcagggca gccactgatc tctctaact ttacagaaga 180  
 atgcaccact tgggttggtt aaaacccttc aatggcttcc cattgcccc agttcaaact 240  
 ctgcaatgtg gcctacacat ctctctagct tcacctcctg ctcaatatcc tacagcacag 300  
 tgaagttctt ggtggctctc aaaagggccc tcaaacttca aacattccct tcaacctaaa 360  
 atcctcaatg gacattactg agtc 384

<210> 542

<211> 183  
 <212> DNA  
 <213> Homo sapiens  
 <400> 542  
 ttttattaaa gcaatgactt attagagact actggtatat gaagctgcaa tacacatggg 60  
 gatcaattcc tccaatttca tgtttcctta ctatgtatgt atctcttttt gttttttcat 120  
 tctggttaacc agagtacata tgacaggctg cattatttca aatacctaac actgaaagt 180  
 act 183

<210> 543  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens  
 <400> 543  
 tttttttttg caacagggatc cggttttattc tgccttgggg gtgggtcctg agagtgggtg 60  
 gtgccacctg ttccggggcg gaaagagggc ccgaggaggt taaggcaatg ggggagaagc 120  
 agggggctga gcggcacatg cgggtgaacca ggccgaggcc ggaggagctg tggtaggcca 180  
 gggagggtgg aaggcaccgg actgggaccg gccagggcta cagggcgagg accaggcaca 240  
 cgggcacccc ggaggcgggc acagggtcac gtgacacaga acatgaaaca caggcacagg 300  
 gtcataggcc agatgcacat ccagccatg 329

<210> 544  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens  
 <400> 544  
 tttttttttt tttttttttt tttttttttt taaattgaaa ggaaactttt attgagtcac 60  
 gttttcaaag caatctagtt tttaaaaaag ttgaagacaa gacagaaaaa agaacatgac 120  
 acctaaagaga atcagacagg acagacagac gggagcaggg gggcggggac agcggctccg 180  
 tggaggtcag atcttctcca tcttgagat gaggtcgtcg cagatcctgg tcagctctc 240  
 gttctcttta gtcttctgct ccactgtctt ctccagcgac tggatgcgca tctgctcctt 300  
 cctcaggctg gcctggaggg caacgcttcc gcctgggcct tgctccggac ctgggcgatc 360  
 tcctcgtttg ccagctgcag cttctctctc gcgtgggcct tcagggcttg gtacctctgg 420  
 ccctcctggg tgatccttgc ca 442

<210> 545  
 <211> 526  
 <212> DNA  
 <213> Homo sapiens  
 <400> 545  
 ttttaagttga aaactttcac cttttcattt aaaaggaagc actttgtggc ttctcttttg 60  
 catatccgaa tcaccagcat cactactcct gctctctggg gccactgtta agcaaagtga 120  
 ggactgcttg ggcacaggca ctgtgatgct gggatagttg atctgatcac caagacggct 180  
 actaagtcac tagcagggtg ggtggcgtat acagcgtgga tgtgctggac caagggatga 240  
 ctcacatccc cgcccggtg gagccgacag cgagagattt catcacgcta ctcagaaggg 300  
 cacaccattt gagacttaaa attctttatt tctggaattt tccatttaat atttttgaac 360  
 tgcagttgac tgcaggtaac aaactgtgga aagcgaaacc atagatacga gcgggctact 420  
 gcgttcaaaa ggctcttcaa ctgttggtgga tcctctgatg ttctcggaga tggtttaggt 480  
 ggttacatgc cttcccgcac tccttacatt cgtaggattt cggccc 526

<210> 546  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens  
 <400> 546  
 tttttttttt tttttttttt tttttttttt ttttttccac agagtgaagt ttattcccaa 60  
 caaagttccc ctccccctc ccagcccgg gacagggacg gacaggctgg gctgaagatg 120  
 gggttccagt ggctgagggg cctctgagaa acaaggaagg gccctgggac ccagggccaa 180  
 gccatgtccg gctccccag cctggctgag tccacggcgc ctccctgccc agccctcggg 240

```

aaaggggaga gggcgctggc tcctgggtag ttccaaagtg gagtgtgaaa atagagagat 300
atatatatatt atatgcagtg ggcagtcacg cgtggcactc acacctctgt ctggaagtca 360
ccatccggtg gttct 375

```

```

<210> 547
<211> 355
<212> DNA
<213> Homo sapiens

```

```

<400> 547
agaacaaaat gggtttaatc aattgcgtca ccctcactct cctgggagcg gcaacgaaaa 60
aggctcggct cctgccccca gaggacagta aggcttatgt gtctctccac actgcagggc 120
ccaggctggc gaggcagggg gtgggaagca ggacaggggg caggagaggga gggtagggag 180
caggagaggaa atggcaggtg gctggaacac aagaaagcaa aggggaccca gctggtcctt 240
gggccccagg gcacgccccct aataactcctg ctctcccttc accctggcta gagaaaggtc 300
acggagaaga gacagggggag cagggtccag cagcaggaga agcagcagca gctgt 355

```

```

<210> 548
<211> 225
<212> DNA
<213> Homo sapiens

```

```

<400> 548
ttaagaacaa agcggagggg tttattatag ggacattctg aaaccacaac ggaaaagatg 60
tccttacagg tggatgggga tggagatcca gcgtcggagt acacagactt cagggggcct 120
cctgcctggc acgttcgttc gtctcccgta tcgccgtaag accctgagac cccgagcctc 180
tgcaggagag acgcacaaaag aagcctcctc cctgtggcct ggctc 225

```

```

<210> 549
<211> 266
<212> DNA
<213> Homo sapiens

```

```

<400> 549
gaatgtcatt ttattccaat gataagatac agattacaaa acttctagta taattacaca 60
taattacctt ttgttgtttt cctacaagaa atgcacaggt attttgaggt cttttgtatt 120
gcattatttg taaaacattg catagtatta gtttgtggct ctgttacaat gggtaatgac 180
aggaatgcat acagatgtct ctgctatgat aaaatgtgct cttgttgggt tacattaacc 240
ttccttcaaa agggatttct cagttg 266

```

```

<210> 550
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<400> 550
ttttaatcag aaatatctgc gcacattgac aaatgtccac cggatgggaa gaagaatgtg 60
gggtgtaaaa ttcccathtt tgagacccac ttgcttagaa tgtattaaag acctataatt 120
gaaaatacct tggcaaaaatc tcccaaaatt gtctctcaaa ataacagtat atacagtgtg 180
acatacacia catcctgtta tactaatgaa aaaatctaag aaaaactcta taggatgata 240
tttagatatt acagtcacta tattaactat taggataatg tgccactaat tccaatcgt 300
cactgctttc atgtagtgtc tgctccatat tg 332

```

```

<210> 551
<211> 433
<212> DNA
<213> Homo sapiens

```

```

<400> 551
ttttaatatc tgctactgac tttggctttc tgaagtttgc tatctggctt accagtagaa 60
acccttagtc aatttttgaa ttgtacaatt tcaattgtac aattcttcgt tacactctca 120
aatccacaag tcattttgtgc tgaagtagaa ttggaaaaat gagaagcata tttctgcatc 180
tgagttctgc tctacctgca actccctaca tgacctaatg aaccaatttt ctcatctatg 240
aaacaagaca aacctgctgc aagggttttc tgttaccctc atgggagtggt tgggtaatgc 300
tgacgcccta tctgacactc tcatcactga aggtgtgtca tctgcatcct tctccagcct 360

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tctctagctt ggccattca gatgtcaatc tgggtacaaga tctggctctt ctagttttct 420  
taagaattga tgc 433

<210> 552  
<211> 258  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 552  
gatcctgggc tcataggcag tccctttcac ttccttgtct tgctccctgc tatgctggag 60  
atgaatgtga ctaaaagggc catcttgctg gcttaatgtg tggctggaga gaccagcctg 120  
gagacaatgt ggcaaaatgg ggcgttcat ccagtctgtc taagccctgt cgacttgggg 180  
agggtgatttc tttcctgggt ctatatgtna agcaaaataa atgtttttaa attaaaagca 240  
nnaaagcaga atgtgagt 258

<210> 553  
<211> 322  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 553  
aattnnaaan acatggctgc atttattgtt cccagcccgg cgagaagggt ttcccagaaa 60  
ggttccttgg gtcacctgcc caccagcct tggctctgggc tgccatgtcc ccacgggcag 120  
gagagaggca caagtcacag tcaggcaagg gagcctcagc ttcctgggcg gtggctnttg 180  
gggtccctcc agtnttcacc tgggaccctc ggccagggtg ggacanattc cagggaggcg 240  
aggttgcatg gtccagcggg ggggtgcaggg ggcaacaggg tcggcggggt ttgcagggtc 300  
caaaaggagn tttcgggttg gg 322

<210> 554  
<211> 503  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 554  
tttttttttt ttggtatcag tctctttatt ggatgtgagg gccaaaaggg actgtaactc 60  
ctgtctcagg aatgggggata gatgggaggt tcttgaagcc ccaggcatan tggmacctc 120  
tggctacagc ttgctctctg agacctgggg cttcactcgg atcacgccct cctggnanca 180  
ggtcacagct aggactccat cctgacgcc cagccgccca tggaccagcc cccgagagcc 240  
accggcccag gggctctcgc attcatagag catccagtgg tcagctcgga agggggcgtg 300  
gaaccacatg gaaatgggtcc agtgagacca tgaagtgcac cttgtctgnc cactggtgag 360  
gcagcagtgc agtgcccaag aaggcatagt tcggagatat aggcggccac gagncagttg 420  
catttttcat gttcgncttc gnttgcaaca ggtccccttc agcctggggt cctgggggtt 480  
ncagttcagg accattttag ccn 503

<210> 555  
<211> 419  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 555  
ngagccagaa aaggattttt ttttaattcaa gtaactgaaa taggaaacca gagggggagc 60  
cccaggctgg gataaatcat ggctaccctt ccccaacaga acagggggag gaggtggccc 120

```
ctacacccat tatggtcgat tcgggcccc ttgctcactc tgctgcagca tcctagaggc 180
agggccccac cttccctggg actggggtag tcggtcaccc agcctgcatt gccccagccc 240
ctnttcccca caaagagtat cttgggggag ggnttcgtgg ggcagaacag gagggcaatg 300
agggatgaac attgctcaaa ctcttttcaa aggggcacct gaccgcacag gggaggntgg 360
gcaggaaggg caagggntgg gggatgccgt ntaaggaggg cggangcagg canttttgg 419
```

```
<210> 556
<211> 420
<212> DNA
<213> Homo sapiens
```

```
<400> 556
acaaaataac acaattttatt actattttga aacaaatcac aaaataacat tcagaaactc 60
aacattttcta aataacttaa ttcacaataa gtttagtcat aaagtcatgc tacaaaactc 120
ctgtgtataa aagattatta ccaagggtatt catagatgtt aaaatgttct tcagaatgga 180
gttggttcta gaagccaaag attctggaat gatgcttgta atcatgactg ccagcctggg 240
agaggagctg gctatgcgca tgtgctctta gcttccaact caccagtctt ttgatgggag 300
tgatccctcc aggcagtagc acctcagagg caggtaccct actgattcac agaggcaaag 360
agcctccac ccatataatg ttagacaact ctacattcat ttaaaatcta gaggtgggaa 420
```

```
<210> 557
<211> 560
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 557
agtttcaatt tttattatga atgtccaaag tgacagcata ctgtgaaaat gctaagttct 60
cattgattaa atttcaagag accacagact acagcattcc aagcacttta atttttgaca 120
gagccaaaaa caaataaaaag aatgataaaa atattctttt ggggtgtaaag agtattcata 180
tttgagtttt tgtatttttt tcttccctgc aggtattgtg aacactgata atttccaaaa 240
cataaattct ggtctggata cttgcagcaa atttttataa tctctacctg gataagaagc 300
taataagaaa tgtacttata aagtatgttt accgatacag tgtgatatgt ttgtttatct 360
tcatttcccc tatctatccc atgaggcttc ttgtctacca cccgggtacc tggctggttg 420
ggtaataaca ggacaggag gctgaagtga aacactccga agactggtac agaatccngg 480
gattttccgg aaagcnggca tttacnccct ttttttttaa tggaaagcct taagaccttc 540
agtggnttgg ggaacgggtcc 560
```

```
<210> 558
<211> 435
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 558
ttttacatga gatattcaac attttattat aaaacaggct ttctgttaga tgattttgct 60
caacttttagg tgttctgagc atgtttaagg taggctaggc taagccatga tgtttagtag 120
gttaggggta ttaagtgcatt tttcaaatta ccatattttc aacttacaat agtttcaacg 180
ggaggtaac ccacgtgaag tggaggaaca tctagtgcct ggcacacgag ccggttctca 240
ataaatataa ctcttctcca tcttcttcaa acctcaggcc aggtttcagt gacctctct 300
cactttctaa gattattttt gcttgcgtgg gggtttactg tcatttttaa ccacatctaa 360
cctaccttaa aaaagtgtat ggatgggggt gccagggtaca aagacttagc ataangaaaa 420
cgaccattta ctttg 435
```

```
<210> 559
<211> 374
```

```
<212> DNA
<213> Homo sapiens

<400> 559
catgctggag tgcagtgggtg tgatctcggc tcaactgcaac ctctaactcc tgggctcaag    60
tgatctttcc aaccacagcc tctcaaagta gttggaacca tagacatgca acaccatgat    120
tggctaattt ttttgtagac acggtagttt ttgtagacac agggtttcac catgttgccc    180
aggctggctc caaactcctg ggacttaagc agatccattc gccttggact cccaaagtgc    240
cgggactaca ggtgtgagct accacgccc aacgcatttt cttaaattct gtgtatctat    300
aataattcaa cttaattaaa actgttttgc actatggata cacaaaaggg agggcccaac    360
aggtggattt ccct                                         374
```

```
<210> 560
<211> 337
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc.feature
<223> n=a,t,g or c
```

```
<400> 560
tacanaaata tcctggcagg atctgaaact gtttctccaa atgtctaaaa tataatctgtc    60
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caattaagta tttattaaac agtcaactata cttaaaatac ctttccaggg taccacctac    180
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<213> Homo sapiens
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<212> DNA
<213> Homo sapiens

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<212> DNA
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gttggtgggg ggggtgtgag ctgctgcata ttttttattg tgtttctcta gtgttatggc 2460  
agtggaggtg ggaatttagt cccaggtgg gacaaggga gtttttcat tttggagcta 2520  
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ttttttatta ttactaaata aacaacttgg agggagttga 2620

<210> 598  
<211> 455

<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 598  
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atcacctatt ctgactgatc ttttaagaatg aatgctataa agagctacca aattttcttt 120  
caaattcata aaactgttca cacttttttg aaacaggagt taatgccgag aatccatcag 180  
aagtatctac tgttttagaag gaaatggagc agcaccaaat gggctctaatt cgactgggtg 240  
ggactgttgg gactgatgtg gagtgatgct ttgcaccaca agttctataa agggcacggc 300  
accaaaatca tccattttca atacatctgc actatggaat gacccatgta gtgaattttg 360  
tcttggcccg ccctggcagg accagtattg tgatcagcac ggatgtcgct ncaggccctg 420  
atgggtggagg gtgccatgac agggctctgga gaatg 455

<210> 599  
<211> 448  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 599  
aagaagtggc ccctctgcaa catgtcctca cagaaacgaa atgggtgtgta gcaatcaaca 60  
ctagaaagta gaccttttgc aaattaatat gtccttgacc ttttttgccc ttttgtgggg 120  
gtgaggtggg gataaaaaga ctgtcatatc aagaactgtg acttttcttt ccctcaaaca 180  
atanaactcc tttattatct taatgtctcc atgttaacat gtttctgct aaattacaat 240  
gtagaattga taatggttta tagtgaactg tgctcttccc tcattaaaat cccagggtgc 300  
cctggtaaag atgcagatgt ttcttctga aaacttcttt ttttaciaaag aaaattagat 360  
gtacatgtat aattcagtg gctttgtctt tctccagatt aatatcggtt acactgctga 420  
tgtttgtana ttanacagat atttactt 448

<210> 600  
<211> 567  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 600  
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag 60  
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc 120  
ttctgagccc tggagctgga gccagcagt tggaggtggt gcacctgcca ggcagcgcca 180  
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc 240  
tggtctcctc tgtgtctgct gacagagtaa ccggtttaac tacagcctcc tctcactcca 300  
cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan 360  
tctgtcatt tataggggaa gatggagcag gggttgattc acacagatgg ggggccctct 420  
gaattggcct gcttctcaga atgttgacca taggtnaaaa gcaaggggat cggggttcag 480  
gaccancaga atgttttagt aatctgnatg aatgagaccc caggatttat gtgtccatta 540  
agtggttggt gtgnttttaa aaaaaaa 567

<210> 601  
<211> 283  
<212> DNA  
<213> Homo sapiens

<400> 601  
cccagtactg gtagacggag aagagcacgt cggtttttct taagacagat gggagttttg 60  
tggttcatga tataccttct ggatcttatg tagtggaagt tgtatctcca gcttacagat 120

ttgatccggt	cgagtggata	tcacttcgaa	aggaaaatga	gagcagatat	gtgaattaca	180
tcaaacatca	gagggtgtca	gactgcccta	tctctcaaa	tgaatcttca	ggtcacctct	240
tacttattaa	agggaaatcgt	gggctgacag	cttctatgac	cga		283

<210> 602  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 602						
gttcagtgtc	catacgtatc	tgctcatttt	gacaaagtgc	ctcatgcaac	cgggccctct	60
ctctgcggca	gagtccttag	tggaggggtt	tacctggaac	attagtagtt	accacagaat	120
acggaagagc	aggtgactgt	gctgtgcagc	tctctaaatg	ggagttctca	ggtagggaggc	180
aacaccttca	gaaagagctc	aaaataaatt	ggaaatgtga	atcgagctg	tgggtgtgac	240
caccgcctgt	gtagagtccc	agg				263

<210> 603  
 <211> 308  
 <212> DNA  
 <213> Homo sapiens

<400> 603						
gagcagcttg	ttgagacctg	tcgattgtta	cgacacatat	ctgggacaga	aacctctgga	60
aataacctcc	tatacatgca	gaggagacat	tttcaggtga	ctggccaaca	gataatttct	120
gctgctgaaa	cattgacatt	gcatccatct	agtaaaattg	ctaaagaaaa	cctagatgta	180
ttttgtgaag	cttggaatc	ccaaattagt	gacatgtcaa	cactgctgag	agaaatcaat	240
gacgtgtttg	aaggaagacg	aggagagaag	tatggcacct	tcacttccaa	gcaattagga	300
tatgcaac						308

<210> 604  
 <211> 182  
 <212> DNA  
 <213> Homo sapiens

<400> 604						
cctcgggttg	cacgggtgct	cttgattaat	tagttactct	gactctggtc	tgccgagatc	60
catttccaac	ccagttgctg	tgggagaggg	ttgggaggca	gcagagcatg	ggtgacagtg	120
ggagcacacg	acttccttgg	agcctgggcc	tttgcggttc	ccagggtggc	aggcagctgg	180
ag						182

<210> 605  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 605						
cagaactcag	actaaccttg	tggtttcaac	gcgcactctg	ctctgtcctg	aaatctggaa	60
ctcattacct	catcaccaag	aaactgcacg	aaatctctcc	cccaccgccc	caacacccac	120
tcgggaaagg	aacgagcaaa	catcctctca	agaaagaaac	ctacacttga	atgatttaaa	180
ttaaggtgga	tggaagttat	ttccctttct	ggcgcttgca	gatttcaaga	aaagctgaaa	240
aatgggagcg	ggggagggaa	gcaacagacg	gctggagggc	agcagcagaa	caagcgaggg	300
gcagcaccga	gttaaagtgg	gggccatcca	tttcgggcag	aggagacaaa	tgaaagccga	360
ccccgctggg	atcacgtagg	ttcgtggctg	cagcaaaagt	tgggtttcac	aaagttgaaa	420
aacagccggt	ttctcaaaaca	attgtgattt				450

<210> 606  
 <211> 269  
 <212> DNA  
 <213> Homo sapiens

<400> 606						
cgaaggtttc	cggctgcctt	tgctgctggg	tggagtggag	agggagactt	ctttttgttg	60
gttttaattt	aaaaacacaa	aggcctaaag	aaatacgtat	cttataattt	ttttaatttt	120
tgagacgttc	atttaatgaa	ttgtgcacga	atgaattcta	tatatataaa	atatacatat	180
atagctctat	atttggggag	gggcactgtc	tcttttttct	ctcattttta	aaatgaagtg	240

ttgttgccctt tgtatgtggt tcaaccatc

269

<210> 607  
<211> 282  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 607	cttcattggc ccagcttggc gaaagcnagg cacactgctt actgccttgg ggttgtggag	60
	atggaccctg gacctcgtgg aggccgtgtg ggggcagcag cctggcctgt gccatggtgg	120
	gtgtcctggg gcctgtgcgg agggagccac ctcaccctgc agcccagttt gcaggtgtgg	180
	ccttgtttct ccttgcccag cagtgtgtcc ttcagcggcc gtgacggggc cagctggaca	240
	cacggtgaga ttttntcgtg tgtaaataaa aggnattttg gt	282

<210> 608  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 608	caaacctggc gtctatacca acatctgccg ctacctggac tggatcaaga agatcatagg	60
	cagcaagggc tgattctagg ataagcacta gatctccctt aataaactca caactctctg	120
	aaaaaaaaaa aaaaaaaaaa cc	142

<210> 609  
<211> 348  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 609	gcaagtgtgg accccaggta gcctcttggg gatgaccgtt gcgttgagga caaatgggga	60
	ctttgccacc ggatgcttgt nntngcacat ttcagggggg tcaggagagt taaggagggt	120
	gtgggtggga ttccaagggt aggcccaact gaatcgtggg gtgagcttta tagccagtag	180
	aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc	240
	acatttggaa agtgatcaac cactgttcct tctatggggc tcttgctcta gtgtctatgg	300
	tgagaacaca ggccccgccg ctcccttgt agagccatag aaatattc	348

<210> 610  
<211> 567  
<212> DNA  
<213> Homo sapiens

<400> 610	caattttcta tcacactggg ctccatgata ttctgttccc taagaactgc ttctgtgtgc	60
	cctgttttca tccaagatt tctcacttca tctctccta cctggctctt ttgtcccagg	120
	gaggggtcct gttcggaagc agtggctgaa tttatccctt gaaagtgggt ttggaggaac	180
	cgggatggag gaggccttcc cctgtgggaa tagaatcgtc cactcctagc cctggttgct	240
	tctgatacac agccactgca cacacacact cacactcaca ctcccttgtc tgatgcccc	300
	aagccaattc ctggggcacc ctaccctctc gttatttggg gtttccgttg gtttacctga	360
	gttttctctg ggggtctgcac agaggcagca gcatggacat catggcctct caggtccctt	420
	ttggtttcta gtttcattgg ttctctttc tgttccccca ttgacttctg tgccccaccc	480
	tagccttttc cataacctta ggtattcagt ttggaggggt tttttgtatt tttgaggatt	540
	cctgtattct gtatcctctc ctgcac	567

<210> 611  
<211> 532  
<212> DNA  
<213> Homo sapiens

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<400> 611
aacaacatga tatgtgctgg actggaccgg ggcaggacc cttgccagag tgactctgga      60
ggccccctgg tctgtgacga gaccctccaa ggcacccctct cgtgggggtgt ttaccctctgt  120
ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata      180
aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc      240
tgctgatcca gatgcccaaga ggctccatcg tccatccctct tccctcccag tcggctgaac      300
tctccccttg tctgcaactgt tcaaacctct gccgccctcc acacctctaa acatctcccc      360
tctcacctca ttccccacc tatccccatt ctctgcctgt actgaagctg aaatgcagga      420
agtgggtggca aaggtttatt ccagagaagc caggaagccg gtcacacccc agcctctgag      480
agcagttact ggggtcacca acctgacttc ctctgccact cctgctgtg tg                    532

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<210> 612
<211> 1522
<212> DNA
<213> Homo sapiens

```

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<400> 612
cgcgggggag aagcggggagc gggagcggga gcgagctggc ggcgcgcgtcg ggcgcggggc      60
cgggccatgg agctgtggcc gtgtctggcc gcggcgctgc tgttgctgct gctgctggtg      120
cagctgagcc gcgcggccga gttctacgcc aaggtcgccc tgtactgcgc gctgtgcttc      180
acgggtgtccg ccgtggcctc gctcgtctgc ctgctgcgcc acggcgcccg gacgggtggag      240
aacatgagca tcatcggtcg gttcgtgcga agcttcaagt acttttacgg gctccgcttc      300
gaggtgctgg accgcgcag gctgcaggag gcccgctcct gtgtcatcgt ctccaaccac      360
cagagcatcc tggacatgat gggcctcatg gaggtccttc cggagcgctg cgtgcagatc      420
gccaagcggg agctgctctt cctggggccc gtgggcctca tcatgtacct cgggggcgtc      480
ttcttcatca accggcagcg ctctagcact gccatgacag tgatggccga cctgggcgag      540
cgcatggtca gggagaacct caaagtgtgg atctatcccg agggactctg caacgacaat      600
ggggacctgc tgcccttttaa gaaggcgccc ttctacctgg cagtccaggc acagggtgccc      660
atcgtccccg tgggtgtactc ttcccttctcc tccctctaca acaccaagaa gaagttcttc      720
acttcaggaa cagtcacagt gcagggtgctg gaagccatcc ccaccagcgg cctcactgcg      780
gcggacgtcc ctgcgctcgt ggacacctgc caccgggcca tgaggaccac ctccctccac      840
atctccaaga cccccagga gaacggggcc actgcgggggt ctggcgctgca gccgggccag      900
tagcccagac cacggcaggg catgacctgg ggagggcagg tgggaagccga tggctggagg      960
atgggcagag gggactcctc ccggcttcca aataccactc tgtccggctc cccagctct      1020
cactcagccc ggggaagcagg aagcccttc tgtcactggt ctcagacaca ggcccctggt      1080
gtcccctgca gggggctcag ctggacctc cccgggctcg agggcaggga ctgcgcacca      1140
cggcacctct gggagctggg atgataaaga tgaggcttgc ggctgtggcc cgctgggtggg      1200
ctgagccaca agggccccga tggcccagga gcagatggga ggaccccgag gccagacgca      1260
cactgtccga gccctctgct cagccgcctg ggaccacca ggggtgcagct gggctccagg      1320
gtccagccca caagctgcat cagggtctct gggagaggag gggcctccag ggccaggagt      1380
cccagactca cgcacctgg gccacagga gccgggaatc ggggcctgct gctcctgctg      1440
gcctggaaga ctctgtgggg tcagcactgt actccgttgc tgttttttta taaacacact      1500
cttgggaagt gaaaaaaaaa aa                    1522

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<210> 613
<211> 550
<212> DNA
<213> Homo sapiens

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<400> 613
cacgagccac catggatgtt ttcaagaagg gcttctccat cgccaagaag ggcgtggtgg      60
gtgcgggtga aaagaccaag cagggggtga cggaagcagc tgagaagacc aaggaggggg      120
tcatgtatgt gggagccaag accaaggaga atgttgtaca gagcgtgacc tcagtggccg      180
agaagaccaa ggagcaggcc aacgccgtga gcaaggctgt ggtgagcagc gtcaacactg      240
tgggcaccaa gaccgtggag gaggcggaga acatcgcggt cacctccggg gtggtgcgca      300

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aggaggactt gaggccatct gcccccaac aggaggggtga ggcattccaaa gagaaagagg 360
aagtggcaga ggaggcccag agtgggggag actagagggc tacaggccag cgtggatgac 420
ctgaagagcg ctccctctgcc ttggacacca tccccctcta gcacaaggag tgcccgcctt 480
gagtgcacatg cgggtgcca cgctcctgcc ctogtctccc tggacaccct tggcctgtcc 540
acctgtgctg 550
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<210> 614
<211> 460
<212> DNA
<213> Homo sapiens
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<400> 614
gcaaagttag ttttattttt ttgtaattcc tttatcttta cttaaagggtg aatgtgtatt 60
cctctgggag gaataggaag aaaacaggaa tgttaataat gtccaacaga aaacttcctc 120
ccttattaat atataatcct catgtattta tgcctaattgt aagctgactt ttaaaaagct 180
ttcttttgtt gcatgccttg tgcaggcatc tgtattgtac atgcatgcct ttctgtcctgt 240
tttcctgtat aaagttagtg aacaaagaaa tattttttgcc tagttcatgt tgccaagcaa 300
tgcataattt ttaaatttgt catatatgga aagagcatgt ttgttacatg taaaagcttt 360
actgatatac agatatacta atgtttgaag atgctgttct ttgcaagtgg tacagttttc 420
aaatgttggt accagtgaac acccttggtg tttaaacttg 460
```

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<210> 615
<211> 1595
<212> DNA
<213> Homo sapiens
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<400> 615
ccggttcgca aagaagctga cttcagaggg ggaaactttc ttcttttagg aggcgggttag 60
ccctgttcca cgaaccagg agaactgctg gccagattaa ttagacattg ctatgggaga 120
cgtgtaaaca cactacttat cattgatgca tatataaaac cattttattt tcgctattat 180
ttcagaggaa gcgcctctga tttgtttctt tttccctttt ttgctctttc tggctgtgtg 240
gtttggagaa agcacagttg gagtagccgg ttgctaaata agtcccagc gcgagcggag 300
acgatgcagc ggagactggt tcagcagtg agcgtcgcg tgttcctgct gagctacgcg 360
gtgccctcct gcgggcgctc ggtggagggt ctcagccgcc gcctcaaaag agctgtgtct 420
gaacatcagc tcctccatga caaggggaag tccatccaag atttacggcg acgattcttc 480
cttcaccatc tgatcgaga aatccacaca gctgaaatca gagctacctc ggaggtgtcc 540
cctaactcca agcctctctc caacacaaag aaccaccccg tccgatttggt gtctgatgat 600
gagggcagat acctaactca ggaaactaac aaggtggaga cgtacaaaga gcagccgctc 660
aagacacctg ggaagaaaaa gaaaggcaag cccgggaaac gcaaggagca ggaaaagaaa 720
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gaccacctgt ctgacacctc cacaacgtcg ctggagctcg attcacggtg acaggcttct 840
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gcttgacaa acctagaatt ttctcccttt atgtatctct atcgattgtg tagcaattga 960
cagagaataa ctcagaatat tgtctgcctt aaagcagtac cccctacca cacacacccc 1020
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catcaatcct ttaccactct accaaataat ttcataattca agcttcagaa gctagtgacc 1140
atcttcataa tttgctggag aagtgtattt ctccccctta ctctcacacc tgggcaaact 1200
ttcttcagtg tttttcattt cttacgttct ttcacttcaa gggagaatat agaagcattt 1260
gatattatct acaaactctg cagaacagca tcatgtcata aacgattctg agccattcac 1320
actttttatt taattaaatg tatttaatta aatctcaaatt ttattttaat gtaaagaact 1380
taaattatgt tttaaacaca tgccttaaat ttgtttaatt aaatttaact ctggtttcta 1440
ccagctcata caaaataaat ggtttctgaa aatgtttaag tattaactta caaggatata 1500
ggtttttctc atgtatcttt ttgttcattg gcaagatgaa ataatttttc tagggtaatg 1560
ccgtaggaaa aataaaactt cacatttaaa aaaaa 1595
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<210> 616  
 <211> 383  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 616  
 tgccttccct tcaattttta actgaagcat tttaatgtgg gtagaaactc tacaccaaata 60  
 aactaaaca ttttgggtgct tagtggattt ctttttaggt aactgggtact tacttccaaa 120  
 gactgaatac aagccacact ccatcatatc ccttaaactt catgaaaaac cattcaagat 180  
 ccccttgctg caacactgtt ctcttcttct ctactaaatt ctatttccaa aattggtaat 240  
 agagccagaa ggatcccca gtaccagcc ctctgcctgg nacaaactgg gtagcacaat 300  
 taaattcagt atgggggtga gcatgggtaca gtcttgggtg gccaatagga aggggtagtt 360  
 ggcataagtc acaccatnca ttt 383

<210> 617  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 617  
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 tgacaaaaaa gctaacaaag tgagcccatg attcaaaaat gactgtctac acttggcaca 120  
 tgagggactt tatgatatta agagattaat taaacaacag tggatgggga ggaagaacag 180  
 acttttgagc tcttcccaat ataggaatgt gttagtctta aaaattttct taagttgttt 240  
 gcttggaact cagagtntat ttatccatac gaaaaattca gaactatttn atttatgata 300  
 tgggctaaaa agacttctgt aatctagctt gggaaactta ataatcatta aacttatttt 360  
 caatgaaaaa aaaaa 375

<210> 618  
 <211> 222  
 <212> DNA  
 <213> Homo sapiens

<400> 618  
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 tggagccaca gcagccactt tgctaccatg acaaaaaggc caagagaatc acagagtcac 120  
 tgacctatc attatttcac caagccaata ccagccgcca tccttctcca gaattcttgt 180  
 aaataaaaata aatccctctt tgtttaaaaa aaaaaaaaaa aa 222

<210> 619  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 619  
 ctgacacctg tccccgccc cagtgaactc gtctccttca cccctgcggc taccagcact 60  
 ccctctaagc aggccctcca gttcttctgc tacatctgca aggccagctg ctccagccag 120  
 caggagttcc aggaccacat gtcggagcct cagcaccagc agcggctagg ggagatccag 180  
 cacatgagcc aagcctgcct cctgtccctg ctgcccgtgc cccgggacgt cctgggagac 240  
 agaggatgag gagcctccac caaggcgtg gtgcaacacc tgccagctct actacatggg 300  
 gggacctgat ccaacaccgc aggacacagg gaccacaaga tttgccaaac aatcctttgc 360  
 ggaccttntt gcaccttttg caaccgttat tttnaaaacc cttcggcaat ttgtnggagc 420  
 aagttgaagt tccngggggc ttaagggtca aaaggccaag gaggtagag t 471

<210> 620  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 620  
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 aactgaaaga attaccgctg gccattgtag tgctgagagc aagagctgat ctagctaggg 120  
 ctttgtcttt tcctctttgt gcataactta cctgttacca gtataggtgg gatatacatt 180  
 tatcttgcag gaaattcccc aaagctcaga gtccagttcc ttccataaaa caggtcggac 240  
 aaatgaccac tatgttagac cccagggct cgacttcagg ggtcagtgtt cctgtcccaa 300  
 accccacaca gaatactctg gcctctggct ttcattgtagg ccaaagagg caaaaaactt 360  
 cagtatctat tcaaaagtgg taaaattatt atttccnatg ggc 403

<210> 621  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 621  
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 tttgtgtccc tgcctcactg tctccaccaa ccccgctg tcctagtgtt gttctgcctc 180  
 ctgtcctctc ttgtctctt gtcagtctct ggcttctctg gcccatttc acttactga 240  
 gtctgacac ccctctccct aggggctgt gagaggagag ggaagggtct gttctgtca 300  
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 aaaaaaaaaa aaaaaaaaaa 380

<210> 622  
 <211> 511  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 622  
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 aattctaggt ggtagggttg tgtacggaac ccctggctgt ctgcatatat ctgagaatta 180  
 cccaggacc attgtcccaa agtctagagt ctttacaggt aggcaaaatt tgttttcaat 240  
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 ccaccagaca gccacagtac cctcactttc tccctattgt tctttcaaat cctgtttctca 360  
 ggaaagaaac tgccactaat tcattcacac taagggtgtaa anggattgat aatagggatt 420  
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 ggaaagggttt gggactggag ggggtgaggt t 511

<210> 623  
 <211> 1700  
 <212> DNA  
 <213> Homo sapiens

<400> 623  
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<210> 624  
 <211> 2255  
 <212> DNA  
 <213> Homo sapiens

<400> 624	gctggcctgt	ttgggtactg	ggggaacaaa	ggtggagtca	acatctgcct	gaagctttat	60
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	ccactgggtg	aagcacagcc	acagatctga	gccaggatgg	gagtgaatcc	caggcggagg	1020
	ccagagctgg	cagccagctc	tgcctttcca	ctgccgggag	tgctgggggc	ccagcctggc	1080
	cccctgaaga	gacagccaag	tgtcgtccac	atactcctcc	cagagtgagc	tctaaccagg	1140

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<210> 625
<211> 1259
<212> DNA
<213> Homo sapiens

```

```

<400> 625
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cgtcaccgc cgggatcag gaggccgggg ggcggcgccg gtcgggcctg ggcggccgcc 180
atgaagctga cgcggaagat ggttctgacc cgagccaagg cctcggagct gcacagcgtg 240
cgcaagctca actgctgggg cagccgctc acagatatct ccatttgcca ggagatgcc 300
agcctggagg tgatcacgct cagtgtcaac agcatctcca ccctggagcc tgtgagccgg 360
tgccagcgcc tgagtgagct gtacctgcgg aggaaccgca tccccagcct ggctgagctc 420
ttctacctga aggggctgcc gcgtctgcgg gtgctgtggc tggccgagaa cccgtgctgc 480
ggcaccagcc cccacgccta ccgcatgacc gtgctgcgca ccctgccgcg cctacagaag 540
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atcactgcgg cccagagag agagggcaca ggccacggcg gcccgaagct atgctgcaca 660
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```

<210> 626
<211> 563
<212> DNA
<213> Homo sapiens
<220>

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<221> misc feature  
<223> n=a,t,g or c

<400> 626  
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 tgagacccaaa accatcacat atgagtctcc acagattgat ggcggggctg gtggtgattc 120  
 gggcacgtta ctgaccgcac aaaccatcac atctgagtcg gtgtcaacaa cgacaaccac 180  
 acacatcacc aagactgtaa aaggtggaat ttctgaaaca agaattgaga aacgcattgt 240  
 gatcacagga gatggagata ttgatcatga ccaggcactg gctcaggcga tcagggaagc 300  
 cagagagcag caccctgaca tgcgggtcac aagagtgggtg gtacacaaag aaacagagtt 360  
 ggctgaggaa ggggaagatt aagttagaaa gtcatttttt tanacaacac tcanctttgg 420  
 gaaccctga gggattttnt gggcccccnc cgganttcag nttgggcttn accagttgac 480  
 ttgnaannnn nnnntnnnnn cnnnnntnnt nnnnnntnnc ncctnnnnncn nnnnnncnnt 540  
 ntccnncnnn nntnnnnnnn ncg 563

<210> 627  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 627  
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 aaggtggggtt tccttccgag aagagttctt gagcaagctc tcccaggagg gccacctga 180  
 ctgctaatac acagccctcc ccaaggcccg tgtgtgcatg tgtctgtctt ttgtgagggg 240  
 tagacagcct cagggcacca tttttaatcc cagaacacat ttcaaagagc acgtatctag 300  
 acctgctgga ctctgcaggg gggtaggggg gaacaagcga gacctttggg gtaatgantt 360  
 aacaccccat gctgggggat gcatggaagg tgaaaggggg ccagggaacc agttggaaga 420  
 attttccaat cc 432

<210> 628  
 <211> 430  
 <212> DNA  
 <213> Homo sapiens

<400> 628  
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 taagcattat taagaataat tgtccttaag gaatgatgga taatataagg gaaatgaaaa 120  
 taataaagaa aatgctacat ggaatctctt attcttgaaac catgttcaga cactattagc 180  
 tgtgaccact gcaataggaa atgaaaaaga gggactttt tccactgaaa tccactggtt 240  
 caaagaaaca aagaaacggc cacataaact aaatattcac aatactggaa atgaaccaca 300  
 gactttttga gtaatactcc agtgaactca tgtccttaaa tgagaagggc agccacagac 360  
 atctgccac tggaactctc tggtagccac atttagggat gcattcttcc ttacaagggc 420  
 agccacctgt 430

<210> 629  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 629  
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 gagaggcagt ttcagggaag tgagggggaa aagctctgctt ttctttattc tcaggtaaca 180  
 tcttgagcaa ccagattcct gngtatcagc agctggtcgc aacgtccttc aaggcattca 240

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ttccttctgc aaattttttc atgaccctca agtgaccttc tcatgtcttc tttaggttgg 300
gacttggtga gcagttcagg tgatttgatt ctngtgcagt ccagtnctgc cagctgnggg 360
gttcagtcac ttgagactga acttngagct ggatggatcn ttcttccaaa ggacaactat 420
ggtgatgctt gggaggctaa aattcttcct 450

```

```

<210> 630
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 630
tctggaaaaa acacgcttta ttgggtagac aaataggcct gatgggaagg cctgagtcac 60
agtgcactgg ggagtgaaaa agtaggcaaa gtgcttgaag ctcccccttt gccccacact 120
taacctcctg gggagcagct ctggacactc agtaccacaga cctgggctca gcaaggcctg 180
gggtgactgt gcccctcact cctgctgcct gatctgggca gcccaccctt cactggttaag 240
acagaattct caagggatag gcgca 265

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<210> 631
<211> 491
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 631
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tctgatctaa tgtggacttt gaagcatttt gaaatgaaaa aatcttgagg tgtttttgtt 180
tttaaaattc ctgtggttgt tcgctaaatg gcaaaatagg gggccaccag ccggacaagc 240
tccagaccac ctacagaaaag aaagtctcag gccattatga aggccgaaac gctaacagcc 300
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gtgcaaggat cagcaccacg tgtagaaact gacttgtacc ccgaaggtaa tgcaatgcga 420
ttcccaacag gctcattcca gatataaaaa atatgtcatc actttcatta ggtaatatatt 480
aanccaacan t 491

```

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<210> 632
<211> 388
<212> DNA
<213> Homo sapiens

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<400> 632
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gtccttacia acttggtttt ccctagagca attgattttg cttaggtac tagctgaagg 180
tctagaggca atacaattta ggatccttgt ctagaaatca atatgattca attcttttca 240
agccaaatga tatctgtaga ctccagttgt gtgcaagccc tgtgtggagc ctcaagtcac 300
ctgcgttagt ccagcttcct attcttggaa atcagctttg cttgattgga cctatatattg 360
catgttaatg tttgatggtg gcctggcc 388

```

```

<210> 633
<211> 516
<212> DNA
<213> Homo sapiens

```

```

<400> 633
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agtaatcttc ctttagtaatc atttctgtaa ctacagataaa aatagaaatt tataagagtt 120
tttatttttg ttacttgtaa agtatattt cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
cactttgacc ctgtctgtgt ttacagtccc tgctgactgt gtactgtcgt atcctcagcc 300
ttgttctatt tctttatttt agctttacag agattaggtc tcaagttatg agaatctcca 360

```

```

tggcttttcag gggctaaact tttctgccat tcttttgctc ttaccgggct cagaaggaca 420
tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa aggggtctgag ctgcggaatc 480
agtagagaaa gccttggtct cagtgactcc ttggct 516

```

```

<210> 634
<211> 314
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc.feature
<223> n=a,t,g or c

```

```

<400> 634
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tgtctcaatt gtaaaaaata cacaccgggc aaatccttac ctggataata aatatctaca 120
tcacagtaca ataaaatttc ttctctataa aatttaaata tggattatag tctatcacta 180
tcaaaagaaa cactatgcta atatttccat attattaaaa taacaggaaa aattacgggg 240
cttatttttag aacctgangc catagccgtt ggaaagggca aagagntttc aaatgtcgat 300
catcactctc catt 314

```

```

<210> 635
<211> 233
<212> DNA
<213> Homo sapiens

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```

<400> 635
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gaatcttcaa tataagatgt taaaattata aaggcaaaga tatatacctc atgttccatt 180
ccatatacctt cctgctgttg tacagtttgc tgcaaatgat aatttaattt ggg 233

```

```

<210> 636
<211> 361
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc.feature
<223> n=a,t,g or c

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<400> 636
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ggccgggatg tcctgagcgt tctggcagag gcccgtagcag cctcggcccc ttccgggtccg 120
cgctanctgg cctttgccct gagtccttc agcttcgcaa gatgagcttc ccagacgggg 180
ccggggctgg gctctgaggg aaaggcgttc ccgcaggtct ggggccgcct tcccatgttc 240
tctaaagccc agcacctgtg gttcgttggc ggggctcgtg ggattggggg aagggtctgtg 300
gtttcgaggc cgtctgtggc gccccagcc cctaagtctg cgagacgccg gccccgcctt 360
t 361

```

```

<210> 637
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<400> 637
ttttcatttt tcttactttt aatatctaag ataaaaaaaa aaacccaacc accaaaacaa 60
cccatttgca tgtcggcgac acgctgggtc cgggctccct ttctgggggt gtcctccag 120
gcggctccca ggtcctcatc cagggaagag ccagcctcg gccagaagcc accgcggcct 180
ccagttccgc accgtgacaa cctgggacct agcctttcag aaaggccacc aggaactgtt 240
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tgagagaaatt tcattttatt gcctagtccc ttcaggaact tattgacacc gctgtgctct 360
ccactgggga gtgtttccag atactcttgg ggctcggacc tcaaaca 407

```

```

<210> 638

```

```

<211> 371
<212> DNA
<213> Homo sapiens

<400> 638
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gatcttttct cagaacatgg tctagaaggg catagtagtt tttttcccggt tacatgcgtg 120
ggtgggtagt gaggagaagg gagcagaggt gcgcgccagg agccaggctg gttctctgca 180
gagaacaacc tccagatcct cccagggaag cccgacacgc cagtcccacg ttggacgacg 240
tgcagaggaa ggggggaggtc cacggggacg acgaagatga ccttatacgt gcaactcggca 300
tatcctggag taacgcgcag tgggggaggt ggggagggga gggtcggccg ggcaagcccc 360
tgcccgtgc g 371

```

```

<210> 639
<211> 384
<212> DNA
<213> Homo sapiens

<400> 639
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aaattacaga aaaaccaaag atgaaaatta cagtgacttt gttccaccat acaaagataa 120
ccactcaaca ttttttagta tgccttccgt cttttttatc tgctctacgt atacaagcat 180
acacccatat tttaaaaaac aaaattgaaa tcacataaca tgcactatct ttacaacctt 240
ttaatattca aggagcattt ttctttcagt cagatgttct tttacatgac ttttaatgtc 300
tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tccccatttg 360
caaactttcg ttacagcaga aaag 384

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<210> 640
<211> 342
<212> DNA
<213> Homo sapiens

<400> 640
ggaataatgt ttattttaaag ttacatttca gaggaaacta tcttcaggag ggcattgaagc 60
ctatattggc tactgcaaaa caaccagaag ttttataaaa tatttctgat ttaaattact 120
aaggcactat agataggcac ctatattaca tacaatcttc aaacattttt aaaagttgaa 180
actatgtatt agttgatatc taaaatatta aagcccctga caaactgaac ggctaagaac 240
ttgacaaaat gagatgcctg tttcaatgat tctgttgcca gcatattaat taaaatacaa 300
tttgagattc taaattacac gatccagcct tagtccaggg ac 342

```

```

<210> 641
<211> 478
<212> DNA
<213> Homo sapiens

<400> 641
ttttgggggtc aggggtgcctt tattggtgaa tggaatgtg tgggttgagg ctcaatggcc 60
atatgtcggc acgtccaggg tccccaggc agcagggtcc aaggcactgg ggcagccac 120
gccgggggag gccctgagc agcaggcacc attctcgccc tggcagggcc tgccacttgg 180
ggagagcgga ggctggccag gccttcagca aagctgttgc agctcaatca gctcctcttg 240
tgggaccctg aggttttctg ccggtagatc tcagcgggtga agggctcttc gtataggaga 300
gccattatgt aggtgagggc caccagcacc gtcaggagta ggcccggtgg cgtggcgtgc 360
atgatggccc agccaggtag ttggctgtgc tttcccagta catgggggtg tccaggatgt 420
tgaaggggaa cacggtcact ctgcctcct tgaggatccc gaagtaatca cctaggaa 478

```

```

<210> 642
<211> 359
<212> DNA
<213> Homo sapiens

<400> 642
tttttttcac cgtgttctct gagctgcccc ctgccctctg ccctgtccgt ccccggcaga 60
gactgggagc cggccctcag catgaccacc gaaactttat ttacaacacg aggctggagt 120
aagaggggtg ggatggagga cagcagcagg gccgacagac cctacttctg ctcccgcctc 180

```



cagacgatga	ccatgccgct	gggttcactg	gaggccagta	ggctctcgtc	gcagttgaag	240
ctgacatcaa	gcacaggtgc	actgtggccc	tgcagcttgt	tgacagcagc	cttggccgcc	300
cgctccacat	caaagaagtg	cacgcacatg	tcctcactgc	ccgtcaccac	gcaggcccc	359

<210> 643  
 <211> 343  
 <212> DNA  
 <213> Homo sapiens

<400> 643	tttatttgtg	aaacgataca	aattttatta	atatacaacg	ggaaatttga	cagtttaggg	60
	aatcaggtac	tcaatctttt	gattctcttc	tgcacttatg	gtatatgaga	agccagatta	120
	taatcacata	gttatttgat	aacacaaata	tacaaagaac	aaggagtgtc	gattttataa	180
	tgacagtgtc	agggacatga	agacttgact	gtgtactcat	tgggccatgt	ttcttaaaat	240
	gaagttcaag	agtcctcaa	accagaggta	cataaagccc	aggataaata	tgacacatct	300
	gcctagggta	ccaaagattt	ggggaataaa	aagctaaata	act		343

<210> 644  
 <211> 411  
 <212> DNA  
 <213> Homo sapiens

<400> 644	ttttttttga	catttttcaca	gggtgtgttt	tcatttgcct	ttgcgactaa	tgggtctctg	60
	gaacgttcca	tcctggccgg	ggaggtcagg	gcctgggcgg	ccagggccag	tttcgagaaa	120
	gcagggtttc	ctttgtggca	tgtttatttc	aagcaccatt	ttccctcctg	gttatacttg	180
	aaatggggct	cgggtgttgg	aggtttcaaa	tgtggacatt	ccgggcaagg	agcctcatga	240
	actctgtgga	cattcaaggg	gcctcatgaa	ctctgtggac	attctgggca	aggggcctca	300
	tgaactctga	aggttgagct	tggaaggacg	gacacaggtc	ttggcagcct	gagtgggtac	360
	aaacgctgat	ttttctggag	tcagtcctct	cctgctgatg	ggctgagaga	g	411

<210> 645  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 645	tttttaatac	tgctggcatt	tattttaaaa	ggtattgaga	tacaaaaatt	gtatcttatac	60
	ttgtaaaaaa	tattttattt	tcaatctttc	tggcactatt	aaaaatgtcc	catttttact	120
	agacagaatc	acaaaggtat	accactcaa	tcataacaat	ttgttttcta	tggagcaata	180
	ttcacagatc	ctgtgaataa	ataggtgaca	aactccagg	ggccccctgt	aggggtctgtt	240
	atatttagag	ttttctggaa	cacacataat	tatgaggttt	ggctctccta	cagtcttttg	300
	tttgccattt	cccttgtctt	tgaacaaaa	cacagctctt	tccaagcttg	gagcgtggag	360
	agggccctct	tctcccattg	gtgaaggcaa	caggttca			398

<210> 646  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 646	tgaaacatga	ttaattttta	tgtttatcca	ccagcagaaa	aaattttaata	tgtaaatcca	60
	ccagcagaaa	aaaaattacc	aaaactaaca	ttttacagat	tttttagtatc	aaagcacaat	120
	acattttttc	tagaaacaaa	tatatcacca	ttataggtac	catgatatgg	caatatattat	180
	atacaaggtc	atttaccatt	taaaaaaaaa	tcagtggcaa	tggtaatgta	atacattagt	240
	tcatctttgt	tcaacttttt	gctattatac	ttcctggcct	gcaggagtat	ttgccaggat	300
	acaaaagaaa	atatgtgacc	tcaattttta	cagtacatag	aaagctctgg	ctgtccatgc	360
	ttaaccttac	atttactaca	tgatcactag	gaatgttttc	ataccaccac	tctgacttta	420
	ttacatttat	ttttaaggcc	attcccaagg	aatcaaacad	tttaacagat	tcatttggat	480
	attaaaggat	tatt					494

<210> 647  
 <211> 310

<212> DNA  
<213> Homo sapiens

<400> 647  
cagttaagct attttttttta ataaattgaa aagatgttct gtacaacata atagagtcac 60  
aggaaatcaa aagcatatca gtaacaactt ttagaaaaag aaatgaatga taaagaaaaa 120  
cagatatgac ctctcaatat cttggggaag taagttagga tgatgtttca ttcacgtctt 180  
aatgatataa ataaaggata actctgtgta agaagtagtg tttgtatctg gtggtaaatt 240  
tagttaaaaa gcataatcac aagttacaaa aactgtaatt acaaattaca aagaagaaca 300  
ggcagacaat 310

<210> 648  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 648  
tttttttttt aaggaatgaa ctttttaatg tttttctgtt tccattctaa caaacatgca 60  
tttttgccctt cagaaaatag agtcaatagc tgtgcagagt tgaagaaaaa cgctcctctgg 120  
tggtccctct gcatttatct tgtgtagctg tgtttttgtc tcgtagtagg cgatcacggg 180  
gatggacgct cggtagtagg cttctaggcg cttggcgatg gtcttggtgg tgtcgtccac 240  
aggcaggctg ctccggctcc ttttgagaag gcggttggtc atggtgtctg ccgagcagtc 300  
catacagatc accaa 315

<210> 649  
<211> 415  
<212> DNA  
<213> Homo sapiens

<400> 649  
tttttttttt tttcaaaact atatatatga gatttatttc acattttcta cctactcagt 60  
catgtgagct gttgctacat ttgtgaactt tctgacacca agtgacaaat atccacaaaa 120  
gatcattttac aatgtagaca tcactaaagt ctagatttaa aagtccagtg aaaatggcac 180  
acagttggct tacagaaata aaaaagtaca atatatttga aatagtaggg tttttgtttt 240  
ccattttatgc ctacatcatg gtgttaccta tggatatgtt atcaacgata ttgatatcag 300  
atactatgac ccatgacatt tagtattttt agcaataaga agcacactta aatctatttc 360  
aaaaatatga catgttaaatt tcttaggaaa gtatcaactt tacaaagtat catab 415

<210> 650  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 650  
tttttttttt ttttgcaaca gagcagaaag gatgctttat ttgcaaaaaga gtggtgaaca 60  
tctaaaaagt tgacattgta tatgattaca aagtaaagag tactcttggtg agagaagtta 120  
catgttcatt gttaaggaaa ttatatgtaa atcacaaaaga tcatggtctg tgaataatgt 180  
gccatatctc acaaaatatg gtcattggaa tcttattaaa attatctaca ggtgacttca 240  
gtttccattc tccaccctct gccttaagat acgaagcctt gacatgacca catcccagtc 300  
agcataagct ccttc 315

<210> 651  
<211> 495  
<212> DNA  
<213> Homo sapiens

<400> 651  
gcggccgcga cctcaaccga agctttcccg accagtttag caccggcgaa cccccgccc 60  
tggaacgaggt gcccgaggtg cgcgccctca tcgagtggat ccgcagaaca agtttgtgct 120  
ttctggaaat ctgcatggtg gtcagtggt agcaagctat ccttttgatg attctccaga 180  
acataaggcc actggaatct atagcaaaac ctgagatgat gaagtattta aatacttgctc 240  
aaaagcttat gcttcaaacc accccataat gaaaactggg gagcctcatt gtccaggaga 300  
tgaagacgag actttcaaag atggaatcac aaacggcgca cattggtatg atgtggaagg 360  
tggtatgcaa gattacaatt atgtgtgggc caactgtttt gagatcacat tagaactgtc 420

ttgttgcaag taccacactg cttcacagct tcgacaggaa tgggagaaca atcgtgagtc 480  
tttgatcaca ttgat 495

<210> 652  
<211> 441  
<212> DNA  
<213> Homo sapiens

<400> 652  
ttacaatagg aaatttaatg aaattcatac ttttaagcaa tcatttcagt aaaagaaatt 60  
gttatagatg atgtgtatgt atgacgatag attcagaact ggtagagtt gaatttcagc 120  
attacatttt aaaggatttt gccaaaccct aaagctcatt ttattttcaag tgaaaacatc 180  
atcatgaaaa aagtcacgct acattgacta acaagggttg taacaaatgt aatgatcaac 240  
tttatcattt aacatttcac aagacttttt attgggtttct aaaaagcagt taatatttta 300  
aggtacggta tataaacaaa atagccatat ctgatttttg gcaacatgaa aatgccaatt 360  
tcctttcaaa ccaattcccg gactacagct acaaatgtgg tcaacaacgt catcctggag 420  
taaaattcag ctctgacac a 441

<210> 653  
<211> 378  
<212> DNA  
<213> Homo sapiens

<400> 653  
tttttttttt tttttttggt catactacat ttcactttat tattattaac atttatcata 60  
catgggttact attccaatct ttcatgcaga caaaaataaa caatataaaa tacataatgc 120  
actttgataa ttttaaccat acataaaaata tggagtaatg gaagctatgt tacatggata 180  
ttttacaaag gaaaaaaaga tgactttttat aataacacat ccagatgaaa tttatcatta 240  
aattttggat ttcatatgat gttaagtatg gatataattca aaacaattac tatttataga 300  
accaatttga tattttgtca tttaaaataa tgaatactat gtaaagtatg acttataaaa 360  
atatttttag gcaaaaag 378

<210> 654  
<211> 308  
<212> DNA  
<213> Homo sapiens

<400> 654  
ctaaatgctt taatttuyts tcacaaatat ttctgcatct ctgagtcctt tcttggttga 60  
aaaaggaggg ctagtsatac atttstyaat ggcactttta aaatgtrgct ttggtatata 120  
gaggtaacac tgtacttcty aggtatgtya ataataamty mmgggttataa tgggtgccat 180  
attagagaaa atgaataagc attagtctca gcaaaaacaa aaattagttt ggmagtagat 240  
aagctagaca tatcamamct gcaaaaammm agcttcccag atagcgcttc tactatgctg 300  
camwtycc 308

<210> 655  
<211> 325  
<212> DNA  
<213> Homo sapiens

<400> 655  
gaataatctg tgctttaatg gaaaaatgaa acattaattt gtttagtttc tcatacaaca 60  
tgtttactaa acatttcagt gtcaataatt ycttaagatt gtaacattta accttgatt 120  
ggrgctaata ccaattctag ccattgggrgt atgttttggm ctttytgaac aattttgrgt 180  
aaaatgaatg yactgtctt taaattgtac ttggrgcaaa gacaaagaaa catcagctca 240  
ttctttccaa ctaatagaac atttaatgat gcaattytha ttacattatt ccaaggctat 300  
tatcataatg ttaaatattc ttatt 325

<210> 656  
<211> 320  
<212> DNA  
<213> Homo sapiens

<400> 656  
attctcacct ctgatttatt tyttacttca tataagatac agtgtaattc atttttactc 60



```

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 661
gcgaatctgt tgatttattt acggctcggg gagacgacgc tggacgctgg ttagggtaag 60
ggttagggca agcattagca gcaggggcat ggccctggga agcacctgga cccagaaca 120
taagacagga gggagagatg ccatccattc agcgggcaact tatgccacg accagctgag 180
ccagaccagc attcccattt caccaccctt tactcctcaa gatgcaaata aagctcaggg 240
ctgggcggaa gctggcaggg ctgtccacag ggaggacccc cgtgtgtctc tcgg 294

<210> 662
<211> 345
<212> DNA
<213> Homo sapiens

<400> 662
aagagggttaa ctcatgttt ttatttggtt atcagaagaa catacaagta cttatgcatt 60
actagatgct gggggaaaat tatacattga aggactgtca ggctcatctg tgcaataaag 120
atttacaata aacacatcat taattttcct gagaacagct cagtatactc tgttttacat 180
gaatccttat gatttaattc tgtatttgga gatatgatgc tatggcattt ggataacatt 240
ggttaagcag catcttagag aacagaacac tcttcctcag aatggatggc cattctttta 300
ccctgtgatg tacaatgca aattacaacc tgcattttat ctgcc 345

<210> 663
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 663
aagatattttt acttttttnc tttaatcagc acatttcttt tgataaatag tcatgagacg 60
tgttctgtga gtcactacaa ttctcacttg gcacttggaa cagtcgtggt atatagggtt 120
accataactc tcagaacagg agtatattac aaacaagtgg agtagaacat agagaatata 180
taatttggtc taatattcct ctctcctaga gccttcaaac ttaaaccaag ttgaaaaaaa 240
aagtttccca aattgaaaac attgcctatg gattatctac agaagagagg aaaataagca 300
accattttga ttccacaaac caagc 325

<210> 664
<211> 215
<212> DNA
<213> Homo sapiens

<400> 664
gactattcat gttttcaaac aagtctctat gtacagtaaa tatacataaa gttctaataa 60
acaacagtgc aatgcttccc aaagtcttaa gcactagtat cagattctta caacacagaa 120
accttttagt ttgccaaatg attggattaa ggatacagaa tatgtcaaata actcacttgt 180
ggctttccag gtcaccctct cccgccaaac aaaca 215

<210> 665
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 665
tttttttttn cacttttttg cgaacgaaat ttttacctca cgttcatctc accaaagtct 60
cttcagagga gcctgggtta cagggtgatg aagctgatga tgatacagta gtgtacacac 120
tgctaacgtg aatcagactg gaaagcaagt cagtacttca gagtagcccc gcagaaaaag 180
agcgatacta agccttctta gtgtttcgtt tgttagtagt gatgaagaga aaactgcttg 240

```

```
gaagcttcca tgggtcacta gttagggaca gagcagcaca ggtgatcaga cagggctgag 300
caaacacctg actgaccaac agaaccagtc tcctcaggca gcttacattg cagtcaatac 360
agaggggtat gggaatttat tgatttctgc ttggaaataa acaagggttaa ggcaaattag 420
ggag 424
```

```
<210> 666
<211> 409
<212> DNA
<213> Homo sapiens
```

```
<400> 666
tttttttttt catgaaatga catttattgt ttaaaaaagc gtgagtctgg aattagatag 60
tggtgatggg tgaacaagtt tgtgaattta ctaaaaccac tcaattgtac gcttaaaaaa 120
aaaagcaagc ttgagctgcc taagtcccgc tcacacacac tggacttgta ctaaagtctc 180
aacgattcca ttctctcaga ctatggaaca ttctgtcaca tttttttcct tcaggagatt 240
tccctaagaa gagctgtttg caaaatattg cacttaattt gaatccgggg gacctgatgt 300
ctcctggaag aaaacgtaca cttcacatgc cttcctgcct gcggcagaat gggcgggagt 360
gggtggggac aaggggcttc aacagcagtt tccatggaac attgttttc 409
```

```
<210> 667
<211> 470
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 667
tttttttttaa tnagaagaat tactgggaac tagcttggca ctggttgaca cagtctttgt 60
ctcagctact cgagaggctg aggaggagg ttgctcgag ccagcctgg gcaacatagc 120
aagaccctat gtccgaagaa aaaaaaggca aaatcagaat taccagaact gatttcacat 180
gtgtaggtag cagatgggtg ccatgcaatt caggtctgtc tgaaggcccc caggctgggt 240
tacaaaactg tgtaaggcca gtacaaggcc ctgacaggtt cccaagtggc tggactngaa 300
gagatgcaa gttcatggcc tcctaacctg actccacca ggcaactcct ggggcccagc 360
gacgttcctt cctgaagcct tgaaatttca cctccacctn aggagggcca tctggctggg 420
ggattagggg ttttggcaaa aattgaaaaa cattcatttt tccagaggca 470
```

```
<210> 668
<211> 350
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 668
aatgagggna agggaggcaa actggactag aggggctagg aggaggcaat gctgggaacc 60
agggtctccc accacctgcg agtaatgtcg tgcaaatgaa aatgtgatac aagaactaat 120
ggggactaac tcctcagtaa aaaaagaaac acagggttag agaagagtga tggaacaaaa 180
agaaatggaa agggatagca gtatgtaatg atacgctaataacatgctg ggacgntccc 240
aaagaccttg ggattcttag ggaccaagtg ggggccagtc tcagagcctc ccaatgggnt 300
acaaaggaag gatgttacct taagggaagc ctgggacagg tgcttgttgt 350
```

```
<210> 669
<211> 461
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 669
tttttttttc tattttaagt gcaaatatca taagggaaga ctgaacttct tttaggagta 60
```

```

taggacaagc agcaaggagg tgggatggct ggagtagagt gaggaagagc aatacagaga 120
taaagtaaga ggaagaataa gccgggtcac atagatctca cagcaaagtt ttaggttttc 180
ttttgagtaa tatgaaaagc catcggagggt ttttgaagag aagagagaga catgatctga 240
cctacatttt caaaagctta ctctggctat tgtgtggaag tagaagcaaa aagtccttat 300
ggtggttgtt gcaaccatcc tggggacaga acgtggtggn ctttgaagga aggcagtggg 360
agtgatgggt ctgatgacaa aagaagtcca gatttcagga tgttccnagg gagccttttn 420
taaattgaaa ggacanctga gggcttccca agttaaccga g 461

```

```

<210> 670
<211> 307
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 670
ttttttttac atgagatatt caacatttta ttataaaaca ggctttctgt tagatgattt 60
tnctcaactt taggtgttct gagcatgttt aaggtaggct aggctaagcc atgatgttta 120
gtaggttagg ggtattaagt gcattttcaa attaccatat ttncaaactta caatagtttc 180
aacgggaggt aaccccatcg taagtgggag ggaacatcta gtgcctgggc acagaagccg 240
gttctcaata aatataactc ttctccatct tcttcaaacc tcagggccag ggtttcagtg 300
acctcct 307

```

```

<210> 671
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 671
aaaaagctac ataatatgtt atttatttga tattctggag aagtccaaac acacaaagtg 60
attctgtatt tgcgagaaat ttaaggagat gatgaaaatg ggtaaaaaat agatttaaaa 120
gggtgatgaa agtattatgt ataatattat aatggtaa atgtgatatg antttgttga 180
aatcaacaga ntatacagca taaagggtta attccanttc acaa 224

```

```

<210> 672
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 672
acatnattat atttgagaag atctttctac gcagagactg tgattgctta aactgtacac 60
aaacacctgg aagaaaaata agagatgtag tcaatcactt gggaattttg cctgcaagaa 120
gccacacagc tatatgcctg gcatcatgta aatgtccaga tccaggagcc catgagagaa 180
attcgtaaag ttctagatgt gtaggtgtca tgtagataag gattggttca tatcttccca 240
ttttaacagt gcttccagtt tctgtcacc attgagtgc gctcatttta cagtcagaac 300
tgtatgccat ggacacattt tatgtgtaac ccatgtgggc aatcgcttca agtcatttag 360
gcagggaggg gaaaactccc taagcctcta agntcagggt tttcccaccc ttttggacca 420
ggga 424

```

```

<210> 673
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 673
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggcatgg cttgttgga 60
gtagtagggg ccctatggct atttccaggt atgggtggcc ccttttcctt gggtatctgg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc ctttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcatctgagg tctcaggtcc 300
caccatgtat ggaggccgtg tggaccttgg gggtagggtt actaggcctc cccggggttt 360
caaatcttct tcacctgtaa aatg 384

```

```

<210> 674
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 674
ggaagtgaga gtgtggtgaa ttaagtgatg agtattatgt acaattgcct ttacaaaaaa 60
cgtattttta ctgtggaaga aattcatgca gagatgcctg tggaaaagta tcaaaaaaaa 120
aaaaaaaaa cctttaacac tatgacatac tgattataat atactatgat atgtattatt 180
acagcattac ttacacattc tactttaggg caatgtaatc tacttctgaa tgaccttgtt 240
aatttttaag ggcatcaggt ggcatcaagg ggcaaagctc cnttaaaata antattaaaa 300
acaggaaagg cttngctaata ttgtgggcct ag 332

```

```

<210> 675
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 675
tttcaaaaat aatataggag aagagagtgg gtgaggttat agaggaaaca agattggcca 60
tgagttgata accagtgagg ttgggtgagg tattttcatg aggtacatga aaatttattg 120
cactgctctg tctgtatttg tagagattat taaatttcca taacaaattt aaatgtagta 180
aaaacaagca agcaaattcc tggtttccca caatatgggt attgaaataa atttaaccct 240
aatcgaacca gtcacagtgg ctcacacgtg tagtaccagt tactcaggag gatcagctga 300
gccagaagg ttgagaccag cctgggcaac atagctagat cctgtcaata aatacatggc 360
cgggcgcagt gcctccatgc ctatagctcc agcacttttg gaggcccgan gcaggcagat 420
cactgaggtc agaagttcaa gaccagcctg accacatggc tcgtgccgaa ttcttggcct 480
cgagggcnaa attn 494

```

```

<210> 676
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 676
tctactcaaa ctataagctt ttattattgt attttacaga tcattcattc aggacatgct 60
gcatctgggg ttggcatcat ttcccttttg aatgacagaa tgtgcataaa agtctcttgc 120
ccacgttgaa ctcacacgtg cccggcagaa ggagctctca cgaaggccag ctggatgtga 180
gcttgctctg gcagcagcag tgctgtcctt gtttctgagc tgccacctat tcaactggagt 240
taaggtgggt caaagctgaa atttagcttg gaatttaaag tttctaattt tatacttttc 300
attgtggtct ggtcagattt taagtctgct ttaaaatcaa aaggtcactc agtcactcta 360

```



atatggatcc attttnga atggaaatgt gggtatttac atgctgtacc tcaaatcaaa 420  
 gaaaagcacg cctcaatatc acgcgtaggg aaaaactagg aaaa 464

<210> 677  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 677  
 tttttttttt tggcggtttt atctttttgt attaaaaag tagtaacaga cacaatatc 60  
 aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
 gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
 aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 678  
 <211> 372  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 678  
 cattaacttg acatctggta aaacaaaatt ttgcgtanat cttaatcaaa acaanaaca 60  
 gacatgacac tttctcagtt aaaatagttt aataaaaagca acaaaaactgt gctaacgac 120  
 agaatcaaaa atgagatatt aggtagactt ataaaaacaaa gtatagttat tttttgattt 180  
 caaataaacc atgtgcaaaa ttgtaaaatg ccaatgtgtc tgagaaaagc attaacagtc 240  
 ctttttagcaa tttatatata aagatgtttt taaagtgcc cagcttaagg cattatatat 300  
 taaagtttaa taaacatcta atttcaacat ctctccaaga acagacttct tctcaataag 360  
 ctataaacta tt 372

<210> 679  
 <211> 489  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 679  
 aaaattgtca agatatttat tgtgttaaca tgtgagacat acaatttgct cagtaaaaat 60  
 agcacatgaa aaaatattat aagcttatat tcataaagaa atgggtatgt tattacctct 120  
 ttttcttgct tgctcaggac tattaatttg acaaggttgg aatgtgcaca gcaaagctgg 180  
 agacaccacc cattttaaca ctgaatcact ataccatgaa ctgacaggac cctgcatgaa 240  
 ggatggaaaa ctcataccn aaagtcaag gatccacacc aggcagccat gggagggggg 300  
 ggaaaatgga cctataatgg atggctaanc cggcatttta attttccgga agtggggggg 360  
 gaaaccaggg gccatggggg gngtggaata aatgggggtg gaagttccca gggcccntaa 420  
 cctggtacca ancccttaag ggtaaaantta aggttttaac ctccatccaa ttaaaaaagg 480  
 tgggggtta 489

<210> 680  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<400> 680  
 aaggaggaaa tcttgtcatt tatgaaaaca tgggtgaacc cgggtgcacat tatgctgagt 60  
 gaaataagcc aggcacagaa agacaaacac tgcattgatc cacttacatg tggaacctat 120  
 aaaagctgcc cttatacaag taaagagtca aatgctggtt accatgggct gggaggagag 180  
 ggactgggca gatgtgtcaa agaatacaaa atttcagtta ggaggcataa gttcagggat 240



```

<400> 684
ccgagtgaac acagtctgtt tattacagcg tctagagggtg gggatgcaga atgaggcggt 60
gcccagagga aggggagcct cagcccaggg nccnaccgtg acaatgcgcg caatccaaat 120
acagttcacc cggaagacac ggcagagctc ccacgttaca aaggctgaca cagaccagca 180
gcgtgttgtg ttgggagggg ggtctgacca cgatggcgag ggcagtcggc ggggggtggg 240
gggcctgctg accactgaac agactgaccg catcctgggg gcaagataaa ttaaggggga 300
agtcttaaat aagtcactgt gcgtgcctca tgggcccagag gaggggggtat cctaagtttt 360
tagggttcct atcaattcct ga 382

```

```

<210> 685
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 685
gagtgtaaat tcaatttttag cagattaggt tttattttta ctgcatcggg aaaaccacat 60
agataaaaact atcttattgt ttatccttta caatttttta aagcaaaaca aacacaacag 120
cattttattt atttaattgt agtgcacccg tattttcaca tattggattt taaaaaatct 180
ctgcttaca gaagaaacga aagcccaaac aagaatgtag tatgtaagcg agtacaaaat 240
gagatagagt agaaggcaaa ctgattacct aagtcaccaag aagtcaggaa acaaagtgt 300
actcagatcc aagcaggggt aaccaggaaa ggctggcatt tcggtgngta ccnggctngc 360
tttcttcagc aactgcgctg ntacaacatt cctgggggca 400

```

```

<210> 686
<211> 230
<212> DNA
<213> Homo sapiens

```

```

<400> 686
cagtaaaaac tctttattca ttccttcatt tgacagttag ccttgagtag ttacaaagac 60
agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgct 120
ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag ggggggtgctg 180
caggaacccc cggcaggcag tggggccagg cttcacaggc acccagggct 230

```

```

<210> 687
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 687
tttttttttt ttttgccatt agaaatgctt ttattttata aagaactact taaatataaa 60
catctctaca tagaaacact cttcacaaaa ggactcttgc attactgcct tctgaccacg 120
accagcagac actgtggatg taaggactcc acggtgtctc ccgactcca ggattttaag 180
gctaaatgtg cacttgaggg aacaggggct gtaaggctat ttcttccctt tcttttaaaa 240
gacaaatttc atggtttccc attccaagat aggcttcata gctggggaag atcttaagat 300
tcttgggtcta aggggtaagc aaatatcttc ctgagactgg gaggtatgat caggcacttg 360
ggaatctggc tttgaatgtc atctctgaag catggaagtt agtggtgaaa aaaatcttat 420
ttccaagtct agga 434

```

```

<210> 688
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 688
gggtaacata agacatttat tactttatc taattttttc attcataaaa aggacaaagc 60
acagtcctat actactccat tgaaaaaatg ataaaaaata actaaaaaat caattcaata 120
tttatcagta tcaaataaaa ctactatcac ctttcttgaa atacaaagaa acaacagatg 180
tatctatacc tatataaagt ttaattcaga atcttgcgtc ttaaagcaga tgattattag 240

```



```
actaaaagga gacaacataa gcataccaat attaataatg ccagtaacaa caatgatcct 240
ctgacgggtt tgagccattt gaagggatta aaatcagggg aattgttttag ttatgccttc 300
aaaaatgtgt gagccaggga actgtgggat aaatggggct tgtgaagcct ccaaagattt 360
gctctttaag gttgtggaaa tatcccaagg gttaaggtta tcatcccngg gggtttt 417
```

```
<210> 693
<211> 381
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 693
tactgaaata cacagattca cttcagctca gcgtttactg agcatctgcc atagggcact 60
gtngcttggg gctgggattt aaacagctcc agtccctggc ctgcacagaa agtgaaggcc 120
agtggggaca ggcatgtaag cccgtagcag cagcacacccc ggccacagcg gccaaagtga 180
gcaagtactc acagaattcc agggcgatgc caagaggctt tcagaggggc caacctgtga 240
gccagaactt tgaagggacc aacggatttc cccagatggg acaaggaaca gaatgggtgt 300
tattacccaa ggcaagatta aagtgttatt ggggaaggtn acagaggggc agccaacatt 360
tggggcacac cacaggggca a 381
```

```
<210> 694
<211> 449
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 694
tctanagaca aggtctcact atattgccca tgetggtctc aaattcctgg gctcaagcaa 60
gccttatgct gtggcctccc aaagtctctg gattacaggc atgagcactg cacctggctg 120
aaaatgtttt ttaatgcaaa aaagctttac atttttgcag aatctaactc atttttaaat 180
tttgttacta gtgcttttgg tgtcaaactc aacaatccat tgtcaaactc gaggaaatgc 240
agatctactt ctatgtttgc ttctaagaat tttgcaatct taccctttac attgaggncc 300
ttgatccatg agttaattat tataatatgag ttaattattt tatatggggg tcccacttca 360
ttttttttta ccatggccat tatacaaatg ttccagggnat ggatttggtg aaggggacnc 420
cttctttccc ccattgaatg gggcggggg 449
```

```
<210> 695
<211> 428
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 695
tttttttttt ttcaagttgc tttttccctt tttattaaaa atagactcaa gcactttant 60
gtatcataca aaagtttcat tcgctggtgg cagccacggg aaagactggc cccgtagcac 120
tgattttcca cctccctctc agggacttgg gtcccaggag cagtgaactg gcctcagaga 180
aagcccataa agactgctta ctctggaagc agccgactag gggctnttcc gcgagcagct 240
ntccccaccc cacccaatgg caaaagttag atactcgaaa gtgcctcttc agtgccaaga 300
taaactaaca agtgggagtg aaatgggaaa accctttgat tattttacta ttttcccagg 360
ggcctggggg ntttttnagtt tttccctgca attcaaagtc cttttttccc ttacaatagg 420
ggggtagg 428
```

```
<210> 696
<211> 341
<212> DNA
<213> Homo sapiens
```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 696  
 tttttttttt acacttttggt gttattcttt tattcttggg tgtccccccac cagaccccag 60  
 ctgactgggc agggattggc cccaggnttg gcacangtgc caannccccc gagtgctcag 120  
 ccacctcttg ccaaaccatct gaatcaatgt cacagcaaca cttgggtttgc tcctgttgca 180  
 ttctcatgac aggtctcagc tcaggtacga cgttcttgag ggcaaggctg tcctccacaa 240  
 agccctctgg ggttgggggg tntccagagg caagccctca gctctnggga gacttgtctt 300  
 gccttccggg aggaaacttg gggggcaaaa gggacaaagg g 341

<210> 697  
 <211> 560  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 697  
 tttttttttt tgactttctc agatttattg tatgtcctca gacangtaga taaaaatgca 60  
 tgggggtttac ttccagggat ttacagacca atataagtaa acagctgggg tttcttttta 120  
 ggctgtttct cttggagggt gtgcaggagg ttgaggaaag cacctctgat gagcagatag 180  
 ctggaggctg ttcccacagt catgtctcag cgaagaagtc ggagttcagc agccatcaga 240  
 accaaggatg gtgtggtgat ctteggaaat ccaactccaaa tccttttgac tttcttttnc 300  
 acacagcagg agttntaaaa gantgcttcc ttttattatt aacactgaga atccatgcag 360  
 agagtttaca ctaaacacat gantacattg tgtttttagg aaggctgggt nccctcagtc 420  
 cccagatctt tgaattctac cattaagtgc aggtagggtt ttngagacag agntttgccc 480  
 gcatcatatc tgtgacactg actcttctgg gtntagggtt ttctttggcc aggggtttct 540  
 tgagttcagn ccctgatcat 560

<210> 698  
 <211> 356  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 698  
 tttttttttt aattaagtat ttcatgtttt tatttcaaaa gaaaaaagga taccaagaag 60  
 cagaagaatg aagcagttaa aaccagcaaa gctgcaaagt aggaaagaaa gctgaggggag 120  
 agattgatcc gatttcaacg atgtggccac ttaatgcaaa cacaggggtc tgatgctgca 180  
 aacctaagtt cacatgagtc cagtgacttc agcaggtcca ctggatccnc cacagtgaca 240  
 gggccagggc ccttctctgt gaatcctaac tttacacatt ctaggncaca tgtcatggca 300  
 catacagggt tacactttat gggttacatg gacattggca tgccatttgc acacag 356

<210> 699  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 699  
 tttttttttt ttcctagata caattccttt attatcatta tcatgcccc tagcacatga 60  
 agctgggctt ccacctagat cagctaagga caggggtatg tttacaatga gaacaatttc 120  
 tctatgcgca ttaggttaag acctcttctc tgtttctaga atactgtgat gactcacatc 180  
 catgggccag ctgcttccag ggaatccatc tggcctcaac aacattgggc tgcttgggaa 240  
 taacggctctg ggcacttgca caggggcagg ggtatggggg agcaggcctc aggtttatta 300  
 aggcagggac tggggcactg ctggaaatag ggggaagggg gggcagccaa catgttaggc 360  
 aggttcttcc ccaaggg 377

```

<210> 700
<211> 426
<212> DNA
<213> Homo sapiens

<400> 700
ttttttttttt caccttattg catttttaaa atctttattc tgtagtgaat tggatttccc 60
aatctgccta agcaaaggca tgcccttcta acaagatttg cttagagcag aggtgataga 120
aggaagaatc cgaagaccct ctggcatggc aatctgggag cagcacattg ttgatggagt 180
ccaagtgagc acatttcaca caattcattt agtgacaagt gggcttgctc ctttttcac 240
caggaaaaaa actactcaca gaccactgcc cagaatctgg aataagaacc ctcatTTTaa 300
ggtattcttc ccaacaaata aatatctaaa tattgaaagg gggcatatca ggaaaactta 360
aaaggacaca ttttaaccaa accaaaaccc tttttcaaaa caagtaaggc atgtctgtat 420
ttagtt 426

```

```

<210> 701
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 701
tttnttccaa aaatcaccac ctttaatact ccccggtcct gcacacaccc acagtctcac 60
tggtctccac cctcacttac tgcccgccgt ggatggcctt ggaggtgcc tgcccgccgc 120
aggatgtttg gcacaaagag cagccccgaa gccnctnaa tgntctcgat gggcaccagg 180
taagcgnccc agtgggatgg cctnatccac aggtgcgttg ggcatcacgt aggtgcggan 240
tncaatttgc ccantgntn cctccaggtt cagcaccttg aagaagttag tgggcactgc 300
cangtggttt ttgccgatga cctgggtant ttacgtagga tttcccatca gntctgtcc 360
atgggac 367

```

```

<210> 702
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 702
tttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac 60
aatcagttct cccttgaatt taaggataaa acttgcttg tttataggaa aattgggtctc 120
attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180
ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgccctg 240
ttattttttta aaatttatatt aaaattatgg cggtaaataa aaatgtactc acattctcat 300
catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360
ggaaaaggta ttggccnttt atggggnggc ctggtttcta actaggcctt tggccaattt 420
tttt 424

```

```

<210> 703
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 703
tttttttttt tatacggtaa ctactttatt attttcaaat gcaaactctt tgcatttagt 60
ttgctatttt acaattttac aaactaggtt taaaagacca taaataaatg acataagtta 120
tgtgtaccta aagttcatga agggaagaaa aataccttga caaattaaaa caaatagga 180

```





```

tggacaaaaa cctaggcttt gactccacac accacactct actggatcag gagaatactc 180
tgatgaggtc tcatttccac ttgagtttga agagcctgtc gtttgggatt tctaggaata 240
tttagtctaa tgattattcc tttctgtagc ataggatgat gccctcacia aacagccagt 300
gtgggttaat tactacacag ctgtcagctg ccatacatcc taataccnat tatttaatag 360
gcagttaaca cttgggngct tggntgcttt acaatggc 398

```

```

<210> 708
<211> 357
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 708
tttttttttt gctgacttta attacaaact ttatttgtca atacaattca cagtttatac 60
atggcgcatt ccaccatata aattttcggg acagttatatt gaggaatgg gtgtagcttt 120
ctttctaaaa gagcctgact ttctaaaatt ttggttggat tttttttaac tttataaaag 180
tacttttaac aaattaattg aatatttaca tttctagctt aaattttaa tttggaaaat 240
aagcgtctat tagtttattt ggcttctttt aaaggattcn ggggtttatt ttttccagga 300
ccccaatccg gatggccncc ttattccgga taccngctcc ccacccccca ccaccac 357

```

```

<210> 709
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 709
accaaaca aa anctttatta atgcattgac aatcagtga gacaatgaaa acccaccact 60
tttgtccgtg aactgagaaa gaaaatggca atgtcatatg gcattaatga tgcattgagat 120
ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180
agaaagattc agctttgtta ctttccagtc actctctccc gtaacacagc acctggggca 240
cagaaagcag agcgnccaaa acccaggant gagggacagt taaaattcaa cttcaaggct 300
acagccatcc caacgggtcc tnccagctc ccgcgggatt ttttacc 347

```

```

<210> 710
<211> 367
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 710
tnnaatanat ttttactgaa aacttttatt gtaatcaaaa agtgacataa cagggttgta 60
atgaattcag caaatcattc tgctgatatt ttagaactta tatcagcttt tgccaggcaa 120
ttaaaaaatt caaatgtgaa aatttcacat tacagtaaac tccaccccaa ctaattaatg 180
gtggttaaaa ataataggcc ctagcaaaac ctctcatgtt acatgggtcac aactcacaat 240
tctgtacaaa agttcgtgtt ataangctct gatgtaaaan tcaaataatc aaggcaggca 300
atatttttagg tgcagcacag ggtcttccat gtcattattt acaagggtt gaatctcttt 360
acattat 367

```

```

<210> 711
<211> 390
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 711
nagaatgata ttagagtttt attttgaata aaagantatg ttttagaaat acatagtgaa 60
atatggatag atgatgtgac atttgggatt tgcttcaaaa ttacctagnt caggggtgcgg 120
cggataggtt gggggttaca gatcgggagt tagcaaattt tttctataaa gcgctacaca 180
aagtaattat ttttagtttt gcaagccata gagtctgctg caattactca actctgccaa 240
tgaagtacaa aaacagccaa aaacaataag tcaacaaata tgtgtgggct gtgttccaat 300
aaaaccttat ttacaaaaac agtcagaggg gccgggnttt tgteccnagg gcccatccta 360
gggtgtgccc actaggtttg taccgggtgg 390

```

```

<210> 712
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 712
ggaaacatga tcaagattgt ntattagaaa aacataaaga tgaactttct tggcacagaa 60
atgagataaa atatacagt ctacaactgc agaattagca cggacgccaa tctaaaaaca 120
gcaaataattt aacagtagct ttaatgaatt aatgcacaaat attttgaaaa atctttgacc 180
ttgctcataa gcagatgcct gccttgaaga aacactccaa gtctgccgtg attccgagcg 240
aaatgccaaag gcagagtcaa gacaatcatt acctttaggg ctgaaacctg ggcagtaggc 300
tgcccccttct gggatgcctc ctaaccagtc tgatgtactg gggaaggagg agtgaggtgg 360
ggctcttctc ggggtccaga agctgaaaac ccagcccttc ctttgccatc agttctgtgc 420
caag 424

```

```

<210> 713
<211> 330
<212> DNA
<213> Homo sapiens

```

```

<400> 713
aagaatgagt atttttgatt tattcaaagt ttcaatctaa aacctcaatg aaatctacca 60
cctttattac aaggggactg atggttctctg aacagaaaaga aacaaaggtc aggaaagatg 120
gcaccggaca ttggagaggg aactggccga gtgtgcagga ggtttggtcc aatagatcac 180
tgacaggcta aaagccacat tttgttgaga aattacatca gaactgttta aagagtataa 240
acctccataa gaaaactaaa gatggcaaat gagattcaac tctgttactt caagtctata 300
atgtcttcat cggagaaagc cgtgagctgg 330

```

```

<210> 714
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<400> 714
tttacttttc ataaatttat ttatgaaatt aaatgtgggt tctggcttgg agaaggaata 60
gtgcaagagt gactgtccat gctgctgaat cctgtgggct ccacgccagc tcgccaggcc 120
ctggctctgc tcctggcgcc ccttggcagg acagggcgcc atctccacac acccgctgcc 180
tgggctgtgg gtcagtcctg tgtgctgagc cacagaattc ggtctctctc ttatggcttc 240
tcacgctcac gagcgtaagg caatcttctg tgtcactaag aatcaattct tttctccat 300
tgtttgttgt tagaaaaaca agatgccaaa atccaaacaa aaaccaggaa cgaggtgggt 360
tctggagcta ccgcacagca ggaggcagac tgaccacac 399

```

```

<210> 715
<211> 259
<212> DNA
<213> Homo sapiens

```

```

<400> 715
tttattgagt acttactatg tgtcagtcac agttccaagg gttcatgag ttttaactca 60
tttaatgagt taatccggac aactcagtag accaatgaga caggtactct tatcatctct 120

```

atattacaga	tgaggctact	gaggcataca	gcacctatgt	aagttacca	aagtcctact	180
gctgctatga	ggcagctcca	ggattcaaac	ccagcagcct	ggctcacatc	tggcaccttt	240
taactgccag	cctactaca					259

<210> 716  
 <211> 415  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	716						
tagagacagg	gtctcgctct	gtctccaaag	ctggagtgc	gctccatcat	ggttcactgc	60	
agcctccgnc	tcccgggttt	gagcgatcct	cccatttcag	tgtaccacc	attcttatct	120	
ctatcaccat	agattagctc	tgcattgtct	tgaacttc	ataaatggaa	tcatgcatag	180	
ataggctctt	ttgtgtctgg	attctctctg	ttaacactgt	gtctgtgaga	ctcactcatg	240	
ctgtgtgtag	tattatgctt	catccttttt	tgttgttgca	tagtattcca	ctgtataaat	300	
ataccacaat	ttatttgtct	gttttcccaa	ttgctgtgca	tttggggatt	gttttggttt	360	
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<210> 717  
 <211> 477  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	717						
tattaccntg	agattcttca	actacctgca	accnttcttt	aaacctaacg	caatctgata	60	
taaaagagcc	tgggatgaga	cttcgaaggc	agaagtctac	tgtctcatta	aaacaaggct	120	
ttggctattc	catgaaatca	aatcttattt	cagtgcattg	gtgttccaat	aaaactactg	180	
tattgcagga	ggcaagtcta	tctggcctat	gggtgtagct	tgtctgactc	tgtgaagcc	240	
tccctcataa	aattaaaaac	accctcaaga	ttaaaattac	ggtagggggc	cgaattttga	300	
taaaatattt	tccttctctt	tttccacctc	catgtatgac	tgtttgcaaa	ggcatttcaa	360	
caaattggcag	tcactaataa	ttgtcttccn	gtgggcagcc	cctggggagg	ctgccatnaa	420	
ggttaacaaa	cctgggtttct	tttaaagggc	cantaatccc	ggctggggng	ctgcggc	477	

<210> 718  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400>	718						
ttttcaggaa	agttttttatt	ttaaatattg	gtgattcttt	aaccaggaat	gcaaatgcta	60	
ctgaagtgtc	gtgtgtgtct	ctgtgagagc	cttcatataa	ataaattcat	gcatctaaag	120	
agtccttggg	caggccgcat	gctgatattc	aattttggga	atggtgatgc	catcacatgc	180	
atctggggga	ggcaacaggg	angcctaggg	nctttttntg	gccccctntn	tnacaaattc	240	
cgggggggatt	tnnantnttt	agccccgggg	atctctgggc	tttttgga	gggttcctgc	300	
ttttcctgag	ttcccatggc	tgcctgtctg	cgggggctga	ctaagcaggc	ggggctggct	360	
ttctcagtgc	atattttaca	tttttctcct	tcaaagagaa	gccaggggag	acaagctgga	420	
gctacagaag	gtgctctgtg	ggggacttgg	ggccnggtca	gcaaccaagc	ccccacctgc	480	
cccttttggg	ttnaagggtc	tngtctctcc	ccca			514	

<210> 719  
 <211> 298  
 <212> DNA  
 <213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 719  
cttcaacaCa gcagaaatTT atttcccacc caggtaaggg gaccctgagg taggcagtga 60  
cttctgtcgg cagcgaacta ggcctctca ccaggctgcc ctaccgtgct cagtgtgcc 120  
tcatggtgca aagtgggtgc tgagctccag tcatcacttt agcngcnga anggggaagg 180  
gnangggnaa aanntttccc cccnctngg gggatttctt tncnncccc cagtnaggat 240  
tttgngttta ttataaggna agaagagaca gttagcngag gcttccctgt ccaccagg 298

<210> 720  
<211> 498  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 720  
tgggttggga ttttcaatct ttattatttg aaattattgt ttcaaatttt attacatacc 60  
atggccctag tattttgttt aaaatatctt tatttttctg taaagaaca gtgtgccata 120  
tttagctttt gatagaaaaa attagaaac tatcataaag ggaatagcta aaagaaagg 180  
tagtaaagg agccatcaca aggagagatt ttggaaaagg gtggtgtctt agtccatttt 240  
gtgtttctgt aacagaatat ctgagactgg gttatttata ataaacagaa atttatttgg 300  
cttagttgta gaggctaggg aaattcaaga ccnaggggcc agcatctgat gagggccttc 360  
ttgctgtgtc caccacaggg caaagggtga ggcagaagg gaaaaagagt ntgtgagggg 420  
aaagagggga gcccaaactt gcttttataa cccaacacac tcctgaggat aatggggntt 480  
aatcttttca tgaggggc 498

<210> 721  
<211> 537  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 721  
acattttatt tataacagga aaaatatatc cctctatatt ttagtttaaa aaaatactgc 60  
ttggaagcag cccatatcct gtgcgttttg tgaattttca ggtgagactc cctcaaccgc 120  
ctttcccccc tactgccac accactgcta gtccatgggg agggggctgg ggttcagggtg 180  
ggacctcttg gttgggagcc tccattgcta ctttgcattt aaaggaccga gagtctcctc 240  
aagacaagac cactgttatg tgatggatgg ggggtgtctg ttgctggatc cagttccaaa 300  
aggtgcccag ggaacctggg gaaggtgact accctatcat ctacagggga ctccccacac 360  
tgggaacccc agcctcctgg ggtcctgggt ccaggggctc ttttccctg ggctgggtcc 420  
atgggttgcg acaccacagg caccgggca ttccacgntg gtncttcgag gggagggctt 480  
nagagggcta agctncacct tctntttccc tggggtngcc agattcantc cttnct 537

<210> 722  
<211> 402  
<212> DNA  
<213> Homo sapiens

<400> 722  
agtttttaaa taatgtcaca ctgaacaaca catttaacag ctgaataatt tgtaatgaag 60  
actaagcaat agttaaaata taacattatt aacagttgtg gaaaatacag aaatttatca 120  
tatcattaaa ccagttttta ttaaaaaaca aaatgtgatg ttaggtcagt tcagggataa 180  
attaagccat acattatatt gacttccact tacatgagat tcctagcaat catatttgc 240  
gcaatgatta cccactgact tgcattcatt ataacaagg acaaataaac caaatggcca 300  
aacagcaacc aaaatatact gttttaagag ttaaacacat tcttaaaatt aaaatgctaa 360

aaaggtacct aaggggctta attgggggct ctcatatttc aa

402

<210> 723  
<211> 552  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 723  
ttacaattga aacaggtctt tatttacacg gaagcagaga gacagagggga tgagggcagg 60  
caccacaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatnccntg ggactcacag ggtatgaaaa tgtgttacc tccaaagcct caaaacaaaa 180  
gggttgatt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcatTTTggg gaaattcttt acagttaagg 360  
tgatgtgttt cctttcattg gtaaatttaa caggagagagg catcattatg gggatacatg 420  
cagggtctcg gccgaattct tgggcctcga gggcnaaat ttccctatag gtgagtcgta 480  
tttaaattcg gtaatctgt ccataggctg ttttcnctg gtggaattgg ttatnccgct 540  
tcacaatttc ct 552

<210> 724  
<211> 388  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 724  
atcaaagatg gctcagagaa tggtaaggca acagtgagaa acatcagctg tacttgtcga 60  
gaaggtgtct gattacacag cgttaccatc ccagctggcc ctttgcata acagaggagt 120  
gggtgagtga tatgttccaa cagctggtct aaagaccaga ggcacagttt caggtaaagt 180  
gcaggaacag ggtagaggct acaggtggaa agatctagaa gctctgtgtc caacaaggctc 240  
ctcacgttct ttatcagcat ggactgactc aatctaaatt tgggtgtccc cctccacagg 300  
ttctagtaga aacctacggc atgaaggaat agaatgcaga cagantatag ttaaattccca 360  
aaaaagggcc cttttctttc aaaccctg 388

<210> 725  
<211> 495  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 725  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccatcttcgg accatttgta 60  
gactggaaca tttcgagcaa tgagtgcgcc acacggacga gtgccctggg gactccctga 120  
tggtcgcgtc acccccagg ccaccttggc gccgcgatga gcctcgnttc cactcccgg 180  
cctccaactc cttccctcg cagccgccat tcaccttctg ctgtttattt gtctgcagan 240  
gcctgggaca ccggaaaagg cgattccctg agcgcctggg agttggagac aattcctggg 300  
tcagaattta aacatctttc taggtaagcg ntgctccaaa actcttcgcc gcgtgggact 360  
tttgcaccag gggcggttg ggaggantt gccctccacg gttcctgggc aaccgcggcc 420  
ttttgaaag aggttctgg caatatTTaa cttcggagga atttgaatt ggattccttt 480  
aagttcttnc cctgc 495

<210> 726  
<211> 501  
<212> DNA

<213> Homo sapiens

```
<400> 726
ttccatccat ttagcaaaact ttattcctga ccacatttta tgccctgggt gtgaagtgggt 60
acaaggaaaa tgactaagac atagcctaaa tttttaacaa gtaaatctgg ccatgcaacc 120
aataaacagt tcttagtcag gtgcctatag tcccaggtag ttgggaggct tagggaagat 180
gattgcttga ggccaggagt tcaagtccag cctggggcaa cacagtgaaa cctgggtctc 240
taaaaaccaa acaaaaaaaaa actacagtgc ttctcaaacc caaatcacct tcccagggtc 300
ctttctgccc aaatatccct caaaccaaca ggatgtgtgt tgggtaaatg ttggaaccaa 360
ttgggctctc tggaaaaact tgtgtgtgtg tgtgtgtgtg cgtgtgtgtg tgtgtgtgtg 420
tgtattaggt ctgtatttaa tactgggcta ttaggattcc ccaaaatttg accaggcacc 480
attccccagg ccagcatagc g 501
```

```
<210> 727
<211> 422
<212> DNA
<213> Homo sapiens
```

```
<400> 727
agcaagggtt taatggaaag cataaaacac tggaaatatg gacagaaatc agattattac 60
ccttttattt ttttccctgc ccctttcaca atgagactgg aggggattca agaaccactt 120
gaaataaagg cgaaatgatt agattttttt ctcttaattg cctaacgctg atgtcatggt 180
gtacgcaaaa tcaacattga tctctaagtg aaagaggaga aacagaacaa catcaacagc 240
ctttcgagggt aaactgtggg gccagaatct atttagggca acccgagggt cccaaaatct 300
ctggaaaagc ccaacagtgg gagccagttt ctggatgctc ctctgttggg tgatctggat 360
ctttgagtgg ggggaaatct ggtaggaaa cagcctctc gaggggagcc ctccccctgg 420
gt 422
```

```
<210> 728
<211> 169
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 728
ttcacaaggg tttattgggt ccctgcctgg tgctggtttg ggtagtcac ttagagaggat 60
ccatctgggc cagcctggga ggggcaggctc tggagtcnaa ggcagacacg aaaccggggg 120
tgacaccagg ggctttggag gctgccatgc tgaggacagc tctgggagg 169
```

```
<210> 729
<211> 359
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 729
ttattaagac tgggtcacat ccagctagta catttcagtg ccctttctgg tgctnccctc 60
caggagcaga cactgcaa at ttcagaaccc ccatctagag aaaccctaa cctgtgatct 120
agcttccgag gctcagtgtt ggttcttgtg gtagtgctga tgtgtgggta cactgaggc 180
caggccacag tcgcatgtac cctcctctgg gctgactcac gaggctacag gggacagcac 240
acctaataag caggtctgtc ctccagacat actcattaac aagcacgttc ctgggctaaa 300
aaataaccag atcttttttg ccgtgccctt caggttggga gaaagaaaac ttcgagact 359
```

```
<210> 730
<211> 434
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```

<400> 730
ttttttttg cttatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60
aaagacttag ccagtaacac tacaaaaata gaaagcccggt taattcctgt gaatttatct 120
gtgtgtgtcc atgtccagta attatttcac tgtctgtctg aagtactaac aatactaaat 180
ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240
gtccagtttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300
tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360
atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420
gtatttcngc catc 434

```

```

<210> 731
<211> 423
<212> DNA
<213> Homo sapiens

```

```

<400> 731
ttagctggac aaagtacttt taatgcttat tttaaaaata tgtacctgtg gtgctaatac 60
taggcaaaga aaacaggacg attcaagagc agcctatgta actaccaact caagcactaa 120
cactagctag atcaccttca tgcttttaaaa tttaaagtta tggagtagct gtgcccaccc 180
cccccccaa aaaaagcttt aataaaggca ctgcagcgtt aactaagttt tagggtaaatt 240
ttaggcaatt aacaattcga agagacttgt ggtttatgta ttagtaattc aaattactgt 300
tttagagatc tcaggtagtt aaccaattct tgctcaaagc actaatgttc agtccctcac 360
catttatgct gggtagtagt cccaatgcat gggtagtgca acctattgtc aggcacctaac 420
atg 423

```

```

<210> 732
<211> 676
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 732
tttttcagtt ggacacaaat gtatttattt taccctagca atagaacaaa atataatttc 60
tttagccatt tttcatgaga atagttcatt gtacagttga ggaaacatat gaaataaggc 120
ctgtgggtga ttgctagtgg ttaagcatgt tttcaatctt tgccctaatg taaaagattt 180
gcagtgaact gcaaactgat gcagaatatc tctcctgctt ttccaagtct tgtcaggaat 240
agtaaggtag agtaaatttg tcccacagga ttttaaaggc tacgtcttgt atataatata 300
atgcaggcct acaaaaatgg tgcagccata tttaaaaatt tagttcacag actgctgcag 360
taaaatggct ggaaagtttt gttttgcttg tttaacaatt tctctaaaca gcagcagaat 420
cttaaaatac ctggctggca tctcttttct ttgtaacaaa taattcactt tagtatactc 480
tgtgtatata caaagttttt gtatgtttta taaaaattca cagaactgca aggttcagtc 540
acttttttac accagagaac cacaggtcaa gagcactctt caagcagagt tgagggactg 600
cgnagccaat ggtgccttat tattaaaccc gcattggcct ggatcctagc tgagataagn 660
tgtaccacgc atgcct 676

```

```

<210> 733
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 733
aaaagggaga gtgaggcttt ttattgtgta tgaattcacg tggtagcgac aactccacac 60
aatattaaaa cactgcgaga aagtgggtgc ggcacacctg gaattttaaa aaagtcagaa 120
ataaaaacaa ccagacatcc caatgcagat ggcatagaac ctgctagaac cacaggcggc 180
ggctggaaac aggagacagg tctttacgaa ggtagatgg gcagcggttc cgtggacaga 240
ggaggaggcg cggctggccg gcatatggct tctgtgcaga gggcctggcc tcaggcggtg 300

```





gcttaccgac ttaacgct 258

<210> 738  
<211> 286  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 738  
aaaatcagag actatattata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
gatacttttc actgttctaa atgacaggnt ttttaagcatt ttttcctata tataatacag 180  
catcacttaa aatttttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
tctttaactt agtgggatta gtgcttcagc ttggtcccaa atattt 286

<210> 739  
<211> 261  
<212> DNA  
<213> Homo sapiens

<400> 739  
aagatcctta aaaagtatct ttaattgatg ccaaatatga acagatcgta aagtgcagaga 60  
agcaagtaaa attgcataga tgaaaactat gcgcatcaat taggttctca attcataaca 120  
ttcaatgtcc ttgacctgac atattacaca gttagagaag ggagaatgag cagtaggtga 180  
agatgagaca cgtccttaac tcaagggtgga agcaactggc aaactcaaga aataaaatag 240  
cgttttttca gcttaaattg t 261

<210> 740  
<211> 316  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 740  
aaacaccaat aaatttnatt ttntctctaa gagagacagt cctgcttggc acagcagctc 60  
ccctgtcctt ctgccactc tcagtgtctt ggctgtgtca tccttagaca atcgtccttg 120  
tctttatggt ccaaaatggt gtctgtacat ccagaccaca catccatatt ccatgtctga 180  
gaatggaaga gaggcagtga agggcggggg cggctcctgc cttctcagag ttcccagaag 240  
aaccctcaca acacatgggc tctcatctcc ttgtccgagc taagccactg accacagctg 300  
ctatggagta aggaaa 316

<210> 741  
<211> 236  
<212> DNA  
<213> Homo sapiens

<400> 741  
caaatatttt attaatctgt ttggccaaac aggtaatgga aactgagaat aataatttgc 60  
taaaaagtgc aggtcatgaa tgcccttttc cccagggaaa cagaagactc catgggtaca 120  
gaatgcacca ttgggttatg acaacgtttc aaaataatgt ttccatttca tatgtaacaa 180  
tgtaaacttc aaaaatagta aactctaacc cctgaccctc tttacagatc tatcac 236

<210> 742  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 742  
tttttgtttt tttttttttt tttttttttt aaaattttta aaattttaaat ttattaggat 60  
ttattaacac aattacacag aataaagtgc aggatttcat taatgatggc caccaatatg 120  
tgcttctttg tggcttttta acccataaatt ctcatgattc aaattttattc atattatagt 180  
tgaatttcat acacagcttc acaatgtgga tattacaggt ccaccagtaa aattaatgaa 240

```
aacatatctt tcatgaaagg cacataaaga atctaaacta acacatttaa ggaactttga 300
taactttgaa tttctttaca ttacaaagaa aaaaatcctc caaatgaaac agatatgaat 360
atagtttatg gttacacaca cacacacaca cacacacaca cacacacaca cacaaatata 420
cttcaaccca gtgacaacac gtaactt 447
```

```
<210> 743
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 743
tgctcaataa atgtttactg aatgaatgaa cgcatagaaga atcaatgaag gaggcgggtga 60
aggaatgaat gagtcagtgg agaacctgaa ttgggttcctc aagccagcct tccactgccc 120
tgcatgccct ggcatcttgg acattttctng gcaactagget gctcctgcca cctcactgcc 180
aggggtgata cagggctgcc ggctcttgca agccgggggag nctacgntng tgcanggcac 240
gggaacagtg tgctgtactc ctcttggaag cttaggtcct tgaatctccg cacggccagg 300
gctgcgggtc ggctccaggt gaagatggag aaaaaggaga aggcgatggc ggcccgggct 360
gcgtccgtcc ctctgttcag tgggttgctc ttgggcttgg agacctgcca ctggttgccc 420
aggtagcaga atcccacgaa ccagaagaaa gcccagaang ccgagacacc gatgtcggac 480
aggacggctt tcttgcggtc cttgacgctg ctgatna 517
```

```
<210> 744
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 744
cacaagttag caatgggtatt taattttcct tggccaatgt tatgcttgag tttgattcat 60
acaataaaaa gtatggacca ttataattat cttagatttc ctctctgggt atctttttct 120
ggccaaatct tcatactaaa gagacgttaa gccacactgc attttctcta acttgctgc 180
aaagatttac taaaataaaa cagattgatc ttatccaagt aacaaaaaca aaaaagttat 240
gaaattattt tgctgcacaa atctaaaata ctattattaa ccataatgtc agcttactta 300
ggtcaattct tcaattgcac tattgctttg aactttcaca aactgtcatt ttccttccat 360
tctaaatatg acagttcagt tactaaggaa ttgggttttna gttaacaatt accttcaatt 420
tcatatgaaa caggagct 438
```

```
<210> 745
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 745
tttgcattct tggtaatgct ttattgattt gagggatcct gctgcacctg gctccctacc 60
tctccattct catctgaagt gccctcagg cctccagac acttgcccc accagagatt 120
ataatacact catgagaatt gatatatgtg tgtgtctgtg caaatgcgtg tgtgtatata 180
tatgtatgtg tatatatata cacacatata tatgtgtgtg tatctctata aacacatata 240
cacacacaca cacacacaca tatatatata gatatatntg tnnngnngt acagtattta 300
caggtacaaa taaaatnggc ttgaaaatta cagtgggtgtg tgggacccat ctcagttcag 360
tttactcagc agatagaaaa ataanggcc agtgggcctt ttgaacggca ttngaatt 418
```

```
<210> 746
<211> 389
```

<212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 746  
 aaggactttt tccccctttaa tatgaaagta taactacagc agttcaatgt acaaatacaa 60  
 aaaaagttct cataactaaaa aaaaaaaaagt accataatac tgtacataca aaaactgttc 120  
 aacaagaatg atttaaatat gtctgttctt gtccagatct ggaagacaca aatgtaaagt 180  
 tctgcaactg tattattgct aagaacatgt gcctgggaac actgtgtttc cctttctctc 240  
 cctcagccca gccccgcctc cagagtcccc tgagcttgga tcatgagcca acagcatccc 300  
 tgaagataac cagagccaaa tgtttactca atggaaagtca ttattcagtg agctgctgct 360  
 taccataaac tnatgaaaag cacaggttt 389

<210> 747  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 747  
 attatttatt tacatataca acacttgtga aaagggcgct agataagtag aacaagaagc 60  
 ccagtttctg gtacatcctg cntctcagtc acctctaggt ctctggaact tgaaagctat 120  
 gtctcttctt gcagggttct gttacaatcc attgattttc cctcacggta taaagttccc 180  
 tttgcttaag tttcactgga ctatttcccc caaggtcatt ctgacaaatg atgttctttg 240  
 ttgtttatac tgttcaataa gatttcattt tgaagaacat gatgnaatca tgtgacgaca 300  
 ttctntcccc ttattgaa 318

<210> 748  
 <211> 395  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 748  
 gaattgtaat aagctgttta tttacttttg ccccatgagg ctatgaattc ctccaggaca 60  
 aattggctgg cactttgctg ctgtttaata aatatctgac aatgcatgaa tggcagtgct 120  
 ctggcagaaa acagaatagt ccaccttgag aggcaacaag tcctaacagc tttttgttta 180  
 cncagaggct gatccaccct ctctcagaga tcttagaggt ggtgctgaag attgataaat 240  
 aggacacgaa tgccctaggg tcccttctga catggtgatt atggggcagt gactctggca 300  
 gggggctgna ggggatcttt gaaaagcaac caaggcccgg ttgagctaata cacttgatat 360  
 cagtttgggt tcacagcagc ttgtgttcca gaaag 395

<210> 749  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<400> 749  
 tttttttttt cccatacaag atggtttatt ttatcctaca cacagaaaat tgcttatgag 60  
 tatcacatta ccgctcttgg ttatcagtta acaaaggctg ctaatgaaca gcatcgttat 120  
 caagttgggt aagagacgcc ctgggagtc aggcaaatca tgacaacaca gcaactttgtt 180  
 ctgaaatata gctcatcttt catcacacac aaggagggtg gccagtcg agagatttcc 240  
 tggaaagtgg aaaggcaaag aatattccgt gatgtgatcc cagaaataca gggtaatat 300  
 tacaaggag agaaatgctc acggggcctt agcctggatg gcaattgtag aatgtcatgg 360  
 ctttccctca gcctccacca gtccatgtct tcctatgcaa cagccattgt acattggtaa 420  
 ataataacca caaaataatt tgtataaggg ggaaa 455

<210> 750  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 750  
 aatttataaaa gtttatttgt attaaacatt atttcgataa taagatgaca aaggactttt 60  
 gtccttcaac attgtagctt ctctctgctc attaagtgtc tgccaaggat aatccaccaa 120  
 ggataatcct gaagacagtg ttagtctttt gatacagata agcattaaca tttgccatcc 180  
 ccaactgcat tgcatttatt ttctttatta taataattca agcttcatgc ttagatcact 240  
 agaggacata aaacaaatta naaaatcaac tatactgcat ttacaatgaa tgaggtggtg 300  
 catttctcct gctttctttc tttttttctt catctgttac tgcataataat catcatataa 360  
 ttttaa 366

<210> 751  
 <211> 387  
 <212> DNA  
 <213> Homo sapiens

<400> 751  
 gctggcaccg gccacaaggc ccagctaatt tttgtatttt tagtagagac aggggttgat 60  
 tatgttggac aggctggtct caaactcctg acttcaagtg atccaccgcg ctgggcctcc 120  
 caacgtgatg ggactataga catgagccat cagtgtttgg ccttcttgat tcttgaatac 180  
 ggggttttag gtgaaagcat ttcatgaaaa cttaagtcca tacacaagag catcatgaat 240  
 attctaaaag aggtatctgt gctttttttt gtgaccacaa aatattactt cttatgaaat 300  
 gtttacacta ggtgaggaaa agttcattaa ttacctttaa accgttcctt atttttttta 360  
 agatttttaa ttgtattttg gctttttg 387

<210> 752  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 752  
 gtgcagtggc gcgatcttgg ctactgcaa gctccgcctc ctgggttcac accattctcc 60  
 agcctcagcc tcccaagctg ctgggactac aggcgcccac caccacgcca agctaatttt 120  
 ttgtattttt ttagtagaga cagggtttca ctgtgttagc caggatgggc tcaatctccc 180  
 aaccttgtga tccaccacc tgggcctccc aaagtgtctg gattacaggc gtgacacttg 240  
 tgcttgactg aaaacaatgc tttctaaagc gcattctgca gcctgatgtg cctgtgaggt 300  
 gagaggtgtg ggagggacag aagctttgtt caaagaggtt tgggagaggc tggatactta 360  
 gctcccttct tgtaagtttg ccacacacat tggcatatta aaa 403

<210> 753  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 753  
 gtgacatgtt ttttgcttta ttgaaattct ctcttataaaa aggtctgang tatttttaggc 60  
 caggcctaatt ttgcttttgt ccctgaaatg caggcccatg gtcatttcca tgcctcttga 120  
 agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattgtt 180  
 tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt 240  
 atgtgcgtct tcatggaagg gataactgga ttcttttgcca gaaccgggtt gggaatttag 300  
 tttgttcaat gtggcatctt tca 323

<210> 754

```

<211> 445
<212> DNA
<213> Homo sapiens

<400> 754
tttttaattg aagaaatttt ttaattaaaa aacatttttt tgacggcttc ttgttgagca 60
gggctacccc acaggccatg tgcctagagt ggccttaatt gaaatttttg ttacaatcat 120
tgtagattcc tgtacagtta taagaaataa aacagccggg cgcgggtggt catgcctgca 180
atcccagcac catgggaggg cgagacgggc ggatgacgag gtcaggagac cgagaccatc 240
ctggccaaca cgggtgaagc cgcctctac caaaaataca aaaaaaccag acgggcgagg 300
cggcgggcgc ttgcaagtcc cagctactcg ggaggctgag gcaggagaac ggtgtgaacc 360
caggaggcgg cttgcaagcg agccaacacc gcgccaccgc actccagccc gggcgacaga 420
gcgtctccaa aaaaaaaaaa aaaaa 445

```

```

<210> 755
<211> 418
<212> DNA
<213> Homo sapiens

<400> 755
tttttttttt tttttttgct agtaactgtt tatttctctc tatacatttg gaaacgtccg 60
ctacatagct atggctactg tgaccacaaa caacagatgg tgataaagca ctgaacagga 120
agaaaaatgc attccaccct caaaagaaat gaaccagtgt ttataaagac aacagatata 180
gccttcatcc ttaacaaata tatttctttc ccagtatttc cccaatataa acactgaaga 240
gtgtttatat atattcagtg caaggaatag tatcattggt acaactggac cacctctgga 300
gaaagaatga aattgaaaca tctgtttctg aatacatttc agtgtggtgt aataatatta 360
cactatagtg atgtgggaga ggctcctcta gcacccatct gcattccaca tggaaaaa 418

```

```

<210> 756
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 756
ttatgaaaaa tccaaagttt attgcaaatt gtattttgct tcccttcggt cttcattttt 60
acaggattta ttgatateca tgattttttc acagatgtac ttgttgactt tggagagtct 120
ctgtgcaatt tcagtttcat ccacagtttc ttgtgctatt ctgtcataca aacactctct 180
gacgatgctt agtttgtgag gcgagagggg tggtttaggg actgcatctt tctttttttt 240
tgtggcgacg ctggtngacg cttctgtttt tcagaacatc ctgttcccca aac 293

```

```

<210> 757
<211> 330
<212> DNA
<213> Homo sapiens

<400> 757
agatagtagg atttatttta atttttcaat ctgaaaaaaaa aaaaacccaa aacaaaaaaaa 60
aacaactat cctcatatat atatatacag tgtcaacatt ttcagagcac ttacattagg 120
aaacattggt tctcttcaac tgtatgacaa tactgtatat gccacaataa aatttacaaa 180
aacaatcgca tcagcagtca taacaaacat catgatttta catttcaata cacaagaaaa 240
aaaatagaca tcttcccggc acttggtccc cgctgacgg caacgtctcc tccacacttt 300
gagagacctc agctttttaa acccagcagc 330

```

```

<210> 758
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 758

```

```
gagggcgggg gggtcatgcg ctgcccccc cgaggagcagg ggggtccagct tgtcgagtc 60
ggggcgccac ttccgagtcg tgggcaccct cgggggggaa tcccgggggc cgcgncgtcg 120
tctgagttcc tgggcacact cggggagggg 150
```

```
<210> 759
<211> 431
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 759
gagtggcagc agtgaggttt attggagcat cctaatacag acgctggggc ttgcattggt 60
gctcttgatg tacagagccc gcacgttttg ccagtttttc ttaagcaagg acaccaagaa 120
attgacagcc agatgaatgt tgtagactag ctcatcatcg gtcattcttc cgtggccaac 180
agcgacggcc aaacacagca ccttcttcat ctggaacttg attgtcgatt tcacctcatc 240
cactttggcc accatgtttt cattgtgtgt cagcaggagg ggggaacttg cagccttggt 300
taggcctggg ccaggatgac gtgggatctg cttaatacaga gactcagagg ccaaaaaggc 360
atcgtacttc ttagccagct tcttgaccaa cttcttggtt ttgttaagct tcttgagcgc 420
ctcgatgtcc n 431
```

```
<210> 760
<211> 365
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 760
gggttaaagt atttcttatt tatttttaaaa tatgataatt atggcatgag tcccaacagt 60
gagaggatgt atctgtaagt tactccacac ttttcaatta acatgaacat tttttagtag 120
gcatatatct caatacttgg ataatacatt ttgttttgct tgtgttnctn aggaanaaan 180
nnttttnatg nnagccagag aattaccttc agntgtntna cnggacaagg tanatnaatg 240
ngggaatgca tattcccaat acctaaagat agatngntga gctcagaata ttactcagtc 300
ctaggagtaa ttttttcttc ttttctctcc ttnaaacactc cattggaact aactgagtaa 360
aggca 365
```

```
<210> 761
<211> 397
<212> DNA
<213> Homo sapiens
```

```
<400> 761
aagggtgaaa ttaggaattt cttttttatt ggccactaaa gtcctagcaa gtttctgaca 60
gaagcacaga cagaaaatgg aaacaaatac cttactggga atgtttcctt gcttgacta 120
accttgacta cagcaataac gcattgctta acagtcaaag tgcaccaggc catttccgca 180
aatggcaggg tgagtgactg tgccgttccc aaggaagcaa aacagacaca aacagggtccc 240
acgcgctggg tgccttggtg gagtacagag gaggtgcta gaccggcagt acccttttcc 300
caagtgagga aagccagctg tgacactctg cttgccggca ggggttcccc accctcccct 360
ccaccatctg gcccatagct gtaccaccaa ttacatt 397
```

```
<210> 762
<211> 621
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 762
ccttctgttg agatggagtc tcactctgtc acccaggctg gagtgcagtg tcgcgacctt 60
```

```

ggctcactgc aacctccacc tcccaggttc aagcaattct ccccacctca gcctccaaag 120
tagctgggat tacaggcatg cgcaaccatg cccagctaat ttttgtaatt ttagtagaga 180
tgggttttcg cttagtagag atgggggtgt tgccaggctg gtcccgaact cctgacctca 240
ggatgatccgc ccacctcggc ctcccaaagt gctgggggta caggcttaag ccaccaagcc 300
cggccgacct tcttctatct ttccattctc ctttccaaag ccatggccat gcgctcctgt 360
gtacagggtgc ataaacacat cagtgtgcc a tccctcacat gcatgtcgtt cccacccct 420
ccttcccagg gcttctcttg gctccagcgt tccctctggga ccctctgcag atacagcctg 480
tgctggaccc ccagccaggg tgaaggctca ttctgctctg tcttccccaa tgcctcagtt 540
tccccaaaag ctgnttcagt ccttctagta aggggctcca tggggcaang atcccttang 600
attaatcttc cncttgggga g 621

```

```

<210> 763
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<400> 763
ttttctaaaa aaattttttt aatcagttta aaagtctcag gaaaaagaaa atcaatcaga 60
aaagcaacta taccaaaaca ggggtatcca agtgagcttc tctcacttcc ttagatggac 120
ttcagcttat aggatgacac gagatgcgag taagaagcta tttgcgcatt tcagctgcgt 180
gacttggtgtc tgcgttgctt tcctttcttt cttctgtgga ctgagaatgc tagtgccctt 240
gaatttgctt ttacaggacc tgagggctct ttgatggtaa gagaatgaat gatcattgct 300
gccttgagtt ctgtgtgatc cgtcaggcct cgcctccagg atggcaattg tagcctgaga 360
tgacgtagcc caagttgcac agcagagttg ctgttctgga aacactgtgc cgagtgaacca 420
ccgaccttca cagtgcctagt 440

```

```

<210> 764
<211> 347
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 764
ggttcttttt acatgtagca ggcttattta ttgttaaatt acananacaa tactacnatt 60
acnacagatt aactcagcaa tgagaaaagg ttgagtgaag atgtcaaaga gttaatttaa 120
ccctttccgt tgttaaaatt ttacactcgt tctgttattc aacaaatata tatccccact 180
ccccagaaat gtcattttct taattctctg tgtgttatat attgttttct cctattcact 240
caaataataat cacnaaatcc aatatacagg agagaataaaa ggcagtaaaa agaaataata 300
tacagagtat gataaatatt ttttaaaaga gagaaaatat atactgg 347

```

```

<210> 765
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<400> 765
tttttgaggg aacatcatgt ctttatttga ttaatacatt cttcaatatc ggcaacttaa 60
ggcagaggcc acgtgtcaaa cttcttttga tgtttctagc acctttcaca atgcatgggt 120
catggcaagt acaacaaatg attgaattcg attaaatgta ggaaaatgac aagattacct 180
tttccaatat gtcgcctagt gttttcaatt gtcgaattac gattaacatt tgacaacaaa 240
cccaagcaga atctactttt gttatttgaa ggatctgtga atccatctac taacacacta 300
gtagaagatg catgaaaagc ttctccaaca cgattgttta attcatagta gactattgaa 360
caccaatgtt taggctcttc ataggcaaca ggctgaacat ccctgctggg atatactggg 420
cataatccgg a 431

```

```

<210> 766
<211> 471
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 766  
 ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
 gagggccccc gatcggcccc tcattcctcc tcgtcttctt cttcttcctc atcgtcctcc 120  
 tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctccggagct 180  
 gcggcggcag tcggaccttc gtccttatgc tctttcttcc acttcatgcy gcggttctgg 240  
 aaccagatct taatctggcg ctccgtgagg cagagcgccg tgggcgattt caatgcggcg 300  
 gccngtacaa gggtaagcgg ttgaagtgga actccttctc cagcttccaa cgtnccttggg 360  
 tancccgctg taaggttttg gcgggccccg gtttcctggg caaagggtccc tnaagaacgg 420  
 aaatccaggg gtaaaatgcy gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 767  
 <211> 381  
 <212> DNA  
 <213> Homo sapiens

<400> 767  
 ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60  
 ccaaaccctt tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120  
 tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180  
 atatcagggtg cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240  
 ttcacaaaag ctaattttaga gaatgtagct taactacagt actgagggtg tcacacactt 300  
 aactttcggg ctcttgctta tttattcata tctgagggtc actgtttcta ctaggataca 360  
 ttccgcccac acccacacct c 381

<210> 768  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 768  
 ctggatcttg ctctagtgtg agcactcctg aacttcacat attctccttg tcccaaattgc 60  
 aagggtttac tctcaagaga ctctaggctc actgcccata aacctttgag ttggaccaaa 120  
 tcttaacatc cctgtggatt tgctcatact gccctgggca gaactctttc cttctttgga 180  
 agtctgaatt acttcatatt tgacatctat ttgaaaattc tgttttacag ggtttaggat 240  
 gggggtagggt aggcacagga aagagagtag agcattctct cttttctagc aatttccatt 300  
 atcatgcccc ttctagcttt tagaccagca gttctgagac agggat 346

<210> 769  
 <211> 390  
 <212> DNA  
 <213> Homo sapiens

<400> 769  
 tacaatggct ctgaaaaaaa tttattgatg gatctgagaa ttttttcaca catgaatcat 60  
 ttctccttcc aatggttatt gatactgata gaagttcccc gctgagactc cctggaccca 120  
 tggtttgtgc ctgctgggca tccactatg ctgattccta ctctaaaaga cacttacagc 180  
 agaaagcatt caccatgac cattatgaag gaaatattct gtccctcact caccctctgg 240  
 aagctaatat ggagcagcag tcactctatc cagagccaca tgttcacagt tctctagcaa 300  
 gcaggtcaca ccccggtggg cccctattcc ccgtgacctt tgttgatcca tctcttctt 360  
 gctcagttgc tcccctgctc acctggactg 390

<210> 770  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 770  
 ttttttttta cagggtggcac tgtttattat tgagtttcat attttatatt gtgtatttta 60  
 tatttataat tagtactagt tacacatatg acatggactt cttcaaataa aattcccagt 120



tatgaagctc tgcagagacc gttcccacag cctgactaca aagatcaggc acctgaagac 180  
 gcatgtcctg atggatacat tcagtgtctg ctgaaaagcc aacttcagtg tgtgccttac 240  
 cactgtggat atttaaataa aacaacggtt tttcaaacca tgagtcagct ggaaggatgc 300  
 ccacgccacg cacactgcag cactgggagc tgcactgggt ggacgggaag gacgcaaact 360  
 ccaagcagct 370

<210> 771  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 771  
 attaatgcaa acatatTTTT attaaagaat gaatgcattt atgctaaaga atagcttaca 60  
 tatgttgtaa agcaacaagc atatcttcaa gaagtgaagc ctctcaata tgactccatg 120  
 cttattctac atgcctgaaa actgggcca cacacagggg cacacgtaca cgacacaaaa 180  
 cgagatagc gacacacaga tatgcagacc gaaatgctga caccatcgct ctctagattg 240  
 gattagctct catttaaggc ttcttaggtg ccgcaagtgc cctaataatta ccaggattga 300  
 aaacagactt ttaggaagga gcagcattac ttcgaaaagt agtcattctgc tcttgctctc 360  
 caatgtgtgt attttaacaa ataccattta attctatgtt gac 403

<210> 772  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 772  
 tttttttttc gctacaaatc aaaaggcttt attccttata taaaccacaca cttagaaaaa 60  
 ataaatagtt aataaattat aggcaaacca gttggtctca gccacgcctc ccaactgaggt 120  
 ccagggcagc cgctgcagca gcagacgagc ggggaaggtg ggccacagct tggctcaagg 180  
 gcgtggtctg gactggggac gaaggacagc aggaggaagg caaggctctg gtgagggcag 240  
 ggatgggggc taaagggtggg ttcttgaggc gtgccagggc tctggcccgg gcagcagggg 300  
 tgaggcaggg gctcagctcc tcttgggcct gggatgatgc gcgtgcgaac ggctgcgac 360  
 ccgagcaagc tgctcccagg ggccctggcg ggcggcctgg ggcgcctctg ccagacagc 420  
 caggaaatgg acagtgcct tctcggagaa gcgcaccttt ctggccttta ggggagctctc 480  
 agggctccga tcatgagtag ggg 504

<210> 773  
 <211> 427  
 <212> DNA  
 <213> Homo sapiens

<400> 773  
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 gatttgaaca aaccatgagc agacagctaa ctacatgtta tgtttctctt agtagtttta 180  
 gggctctgcc agtaatcaag aaattttact tctccagaat acatgaacat gggaacaaaa 240  
 gaaatgtaaa tatttcgaaa aagcactaca caataaaatg agacgcaatc cttatgcagg 300  
 tcaagatgtt ctccacatct acaatgtgca ttaacaaaat taatgcagat aagaccttca 360  
 ctccaacccc aaagatctta catggttaat actattttcc aaaatcagca gaacaagctg 420  
 cagttac 427

<210> 774  
 <211> 362  
 <212> DNA  
 <213> Homo sapiens

<400> 774  
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 cagtgtgata gatgaggaga gaaacgaatt tcaatgtcat ctgtgttgag tctcgctgac 180  
 aactagaacc tcctttggcg tcagacgcac accaatgcta acattagccc tgccccagggc 240  
 agttaggaat ttgtgctcca gtccttgggt tcacacttgc accctgtttg acataaatac 300

tttaaagtac atacaatgta tgtagttttg tgcttattac tttttaaaat aataaataat 360  
at 362

<210> 775  
<211> 476  
<212> DNA  
<213> Homo sapiens

<400> 775  
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cccggtacta cccataaacg aatcagtaaa tgagacttag tttccaacct tacttcccga 120  
ctagacaact gcatgaaaaa ttggatagcg aattatgagt ccaagttcta tagctggcat 180  
agtcctcatg ctttagcccc agcctctgag cttagcagaa gacatttttg gtccttatat 240  
attgctagta ggattgtata attcttgact gtgttgacaga atcttacagg actacaaaac 300  
ttaccatgat gtgtcttata aggaagactt gccaggcaaa ttttcgggca agccagcaaa 360  
atagttaaag taagagtaaa gaggaacacg tgaatgatgg ggagttggtc taggaaaata 420  
ttgtgaggaa aataaatgaa attctatggt tagccaaata gacaaagata gcttct 476

<210> 776  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 776  
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ttccttttca gtgagccagt gaattttcat tcgtttgttt gtttctatga atatttggtt 120  
tacttccttc ttctgggcaa gattagtatg caa 153

<210> 777  
<211> 486  
<212> DNA  
<213> Homo sapiens

<400> 777  
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cagggaaatgt gtttgcagcc cgtttcacgg tagccgcttg agaggggata ttggaagtga 180  
gtgactttct ttcatttggc aaagtttctt tatctcagca cctactcttt ctgatggtat 240  
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat 300  
aacgtttatg ttgctcagaa taggcacttt ttgaaggcag taaatctaaa agtaaaagtta 360  
atagagccta tatttagtgc tcatcttctc acttttgctga tgtgtatgct gaacagaaga 420  
tcacagattt gagtcagtct cgcaaagagg ccggagtcgc aaatggctat attcagagct 480  
ggggaa 486

<210> 778  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 778  
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tcacgtctgg ctgcgaccgt ggcaggctgt ggcacccccg acagcggccg gtggcggagg 180  
tatgggggag ggtggcaccg ctactctgag attcacagaa catggcaagc ccgcctgact 240  
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tcaaagt 307

<210> 779  
<211> 228  
<212> DNA  
<213> Homo sapiens

<400> 779  
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gcacctcaag acgtctgtga tgttggtctc agacaccact ttgccgtcca ctatcctgtg 120

ggtgttggtc ttttggatgc tttacaggta tttgctgctg tccagaatac caccaagatt 180  
gaagtcctcc ccatcttcta agcaggcggc aggttaagggtg gcaatctc 228

<210> 780  
<211> 427  
<212> DNA  
<213> Homo sapiens

<400> 780  
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cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag 120  
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg 180  
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcagggggc tcacaggact 240  
gcaggggggc tcacagggcc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga 300  
accctaacac agcctggggc cccggggaag tcagggttc cagcagggca ggtacagagg 360  
cccctaggac ttggcaggag ctcagccttg gggacagtcc cacggaagac gctgcatccg 420  
ggctctt 427

<210> 781  
<211> 491  
<212> DNA  
<213> Homo sapiens

<400> 781  
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agggggcttt gaggagaggt cctgccagga acatctgtcc ctggtggggg tgaagggtaa 180  
ggggggccagg gcctcagaag cggccatgcc agtgatcagg ggaacaccga tggttcctct 240  
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agagctgcct ctggagggtt tgggaaatgg gccgcagatg catgaagttg cagaagccac 360  
ctcgggtaca ttcccgtaga cacctgcccg ttgaaccacg gttactgagt tcagcacggc 420  
ccgctcttca atctctccct ccggaacttg acatagacgt tggccacgag gtgggtcccca 480  
aggttgctgc a 491

<210> 782  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 782  
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gctattttgcc tgattggtgg cctggactca gcaagagatt cctttgcagc agaggttggc 180  
cacacatctg ggggctgcaa caccactgaa aagacagctt tctaagcatt agtghtaaggc 240  
aaaaagcaga gtgcctaaac ttgtccattt ccaccaagaa aaaaagtttc atagcaacct 300  
tccttcacca gaaaggctta ctttatgata tgctaacaga acagaaaagc aggttggggac 360  
aagatacaga ctttgttgca tttagctatg acccttctct cccctctgtg gatgtgggca 420  
gggtggggag aggc 434

<210> 783  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 783  
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aaagatgtct ttcacatca tgtacatcag gatcaaccat tactttcagc aaagtacaaa 120  
aatacacacg tcagtgactt ccgtacaata aatacataat catgcatccc acaataaaaag 180  
gcaccgaaaa ctggtcactt agtagtcata aaaattacta gctacattaa caaaggcc 238

<210> 784  
<211> 434  
<212> DNA

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<213> Homo sapiens
<400> 784
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ggcagctggg gagaacagcc ttgggtcgaa ggcacccctg gtagaagtcg ggggagatag 180
atagtcacag ttccccagtt ggtggaaatg ggatgggagt agggagaggc tggaacagac 240
ccttccccat tcacctggag aattttctcc tccactgcc ctaaactatt tatttccatc 300
acaggggaga aatgctgctg agaaggttgt gtttgtagg ttgatgacga attttacatt 360
ggccacaaaa ttagctagag aaacttatct aaaggtggca ggagcagtgg ggagggcatg 420
aagaaagcaa gacc 434

<210> 785
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 785
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tgtgcatgta aggactcatt tctcctggat gtgtaagcaa gagtggaaat gctaggccat 120
agggtagatg cgtatttaac ttgatgagaa gctgttcagt ttctgccgt gggtgcaaca 180
aagcacattt gcaccagcag cgctgggag ctgctcttct ccgtatcccc accagcattt 240
ggtactggca gaccttctcc tctgagctat tctgatagtg gggcagtgcg atttcacggt 300
ttttaatgag atgtggagca cttttcagag gctggcctgg tttttgtagc tgccctaggg 360
acnctcgagg agggatggga ggggggttgg tgaagaggat gttc 404

<210> 786
<211> 421
<212> DNA
<213> Homo sapiens

<400> 786
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aattatgtga cattaagaaa taatttggtt gcatattatt ttcaaaaagc agtaagaaag 120
tagctattga gaaagaagga gggccatagg tttttcaata aaacgttaga aacattataa 180
aaaacgagac tcccattaca tggaaacaca tgatcaaaga tcagactaac acacattcaa 240
acaggccttg ttcgaaatag agttctccat ttctttcaga tgagcctttt ttcttaggct 300
ctttcagaag cacttcacaa tgaacagagg tcttgccagc tcatttcatt agcggagaag 360
caaaggatat atggcagaat catgagaaga tggaaataag gcctgaggat atggcttgat 420
c 421

<210> 787
<211> 339
<212> DNA
<213> Homo sapiens

<400> 787
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tacactgcat tttaggcaat tttctaacat taagtgacaa gttatacttt tgattttttt 180
tttcacattg gagctattat gatttgact cataatacca aagctactga actcaccaat 240
ttttttctta gtaattaaaa aaaagcacac agaaaatata actacaatta gattaacttt 300
atcaaaagta actctttcag accaaacatc cagcaaaac 339

<210> 788
<211> 368
<212> DNA
<213> Homo sapiens

<400> 788
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taggattttc	cttccttct	ctgaagatta	tttcaaaaaa	tccaagagga	ataacagact	120
ttctggatgc	tgtctacca	tgttcttctg	ttaaatacaag	ttccttttcc	cgcaattgaa	180
ggatgttgca	gatgtgaaac	gtgtggtaaa	gaacattgtc	tttgctttca	ggccccacct	240
ggccctttct	ggccgtagct	ggtactagat	tttgataaaa	gtatcctaata	actcagggac	300
tattttctcaa	agaccagaat	cccaagagcc	agagactgga	tgagagacac	caagcacaag	360
acagcaat						368

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<210>      789
<211>      337
<212>      DNA
<213>      Homo sapiens
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tctgctgccc	tgggctgtcc	cacaggcagc	tctctagaac	ttgagagcct	caaaaggggc		180
ctcatgaagc	ccagatcttc	cctgggtcaag	ctgatggcat	tcgataaact	gaaagttggg		240
gaagaccacc	aggtcagtgg	agtggagagg	ttttgtatat	ggtcttcttt	gaagaaactt		300
acttcttgca	agccctggca	tcttccaatt	ggctgtc				337

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<210> 790
<211> 412
<212> DNA
<213> Homo sapiens
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		ctgctgaaat	agagcaaata	agaaaccaag	tagtgtaagg	cattaggaga	tacatgaaga	180
		gaatcgctat	ttgcttcttg	tacagcgtgt	ggcaagtcac	ggttagtagt	catcgtagtt	240
		gacgctggct	ccatgcctaa	agccgtaggg	gctccgggga	ccaattgcag	agtcttcac	300
		atagtgacgt	tggtagtaat	cgccatagta	ttcatgtcca	tttcgatctc	tgtaaagcca	360
		atagggtgatg	tcattcttcaa	atttcgcttc	gtcaaagccc	atgtagagaa	ac	412

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<210>      791
<211>      346
<212>      DNA
<213>      Homo sapiens
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[illegible]

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<210> 792
<211> 443
<212> DNA
<213> Homo sapiens
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<400>	792							
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tcatgctgtc	ttatagcaaa	acactaaaat	tcatgcaaca	gagaaattgg	tgacatgagg			120
acttttttctc	cagacttcct	ggggaaaaaac	tgtgagaata	tacttttttc	ttctgtttgc			180
tttcgaaatg	cattctttct	tttgctgact	ttcccaaact	ttcccagtcg	tttctgatga			240
aaaattcttc	aataggaaaa	gaccaggtaa	acttacatga	aagacatcaa	gtatcttttg			300
agctccttct	ctctgccaga	ggagcaatca	actggattac	acaaaactac	cttcacaact			360
aaaacaggta	gaattggaac	aggaattagt	tgtcattaat	atactcgtaa	taaaataaag			420
cttgttctga	aaccacaagg	ggt						443

<210> 793  
<211> 453  
<212> DNA  
<213> Homo sapiens

<400> 793  
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gcattctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120  
gcctttgcaa aacaaatgga gatatatcaa ctctcataca attctaaaag cattgtgctg 180  
tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaataagga 240  
caattgttca ctctgaggct tctggcttct tatctctctc ctcttgggga gctgctgctt 300  
ctctgtaggt tgcttccctg tgacgcaggg accatagttt ctgctctaata aacacctttt 360  
ccactctgac gtagctgagc catatactac attgccttag tcctgttcac cctttgggtga 420  
ttctgttcca tttgccacct ggctcttcc tcc 453

<210> 794  
<211> 422  
<212> DNA  
<213> Homo sapiens

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attgccccct ttttcatatt cataatattg gattccccac taggcacata aatacattta 180  
tctacaacac ctcaaaacca gaaactttaa taatatctgt attattttac ttggtattat 240  
ttgcatttcc acaccattta aaaatttttag cttgcaccaa gcttcacttg ctttcttacc 300  
attaaaagat ttgaaggga agggaaagat gaaggacaaa acccaaaaact tcaaaatgca 360  
atgtactatt tgataaaaat ggagatctaa gggcaggtag aagggtatag aagacccatc 420  
tg 422

<210> 795  
<211> 514  
<212> DNA  
<213> Homo sapiens

<400> 795  
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gcatgcatga acagatgatt cattcgttta acaaaaacac caattgatac tgagaacact 120  
aaattattaa atttccaaga catataaaat tctctttaag ttaaagttag aaagaaaaaa 180  
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attaaaccaa gggactagcg catcagaatg aagcttgtct ggcccacaca agtctctcag 300  
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gggaaccctc ccttccagg tcaagtttgg ctgggtgccc atgcttcttg tggacaggcc 420  
tctctgtatc agagaaacgc tgcttctaata acttttatgg gtaaacaaaa ccttcatgct 480  
ctatcaaaca atcctggcat gaataacatg aaac 514

<210> 796  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 796  
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ttattttaata atcattttta gtttattgta cagatgcaca tgtcaataat tagtgttttt 120  
cagatgggat gatatacatt ctgcttttat ttttatctct ttggtaacaa ttattgacag 180  
aacaatgaaa caagataaaa ttgttttaca gttgtaatac ccttgtatgg taattctcag 240  
cctcttttat cttatattct actagcatt acatctaata ggtctcaata aagtagaaat 300  
gtaaaagtat gtattttcag aaaaggctcat atttcataaa gattctgtta ctatgttagt 360  
catttatcat aagtgttaag tctaagaaaa gttgtaatag a 401

<210> 797  
<211> 408

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<212> DNA
<213> Homo sapiens

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ataactgcct tgactgctgt gtggacaaag attccaagga tgtactttgg ctccatggga      180
aggactactg caattttatta gcggtatctg taaacatggg gaataaatct gaaacctcac      240
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gtgctcggtc caccaccaaaa gccagcacca gtgtttggtc caccgccgaa gccagctcct      360
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<210> 798
<211> 175
<212> DNA
<213> Homo sapiens

<400> 798
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tagtaacaga atgagtaatt tatacaattc aatactgtat acaacagtat gaatgaacga      120
actacaacat gcaacaatac agatgagttg tatagacata ctgttgagtc aaaga      175

<210> 799
<211> 478
<212> DNA
<213> Homo sapiens

<400> 799
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atccagtcct tggagttcca gtagactgat ttattcacca acagcattgc tctccagct      180
ccattccagg agacaggcac ccagaagta gcaggactgg tagacatcac tagtattgta      240
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ccaggtaaga tgggacccag gaagggattg caagtccagg ccccatgaac acccccaaag      360
aatgcccctc ctcttgaaa taaaagtgtt tctggatcca gggagatcaa cagtttgcaag      420
ctgatattaa gagtgtgcta ttggatctgt tctaagggat atgttatgtg aagccaat      478

<210> 800
<211> 408
<212> DNA
<213> Homo sapiens

<400> 800
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tcttttccca ttgcaaataa cttctttctg tctggaatct tatatatt      408

<210> 801
<211> 110
<212> DNA
<213> Homo sapiens

<400> 801
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tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg      110

<210> 802
<211> 223
<212> DNA
<213> Homo sapiens

<400> 802
cagaaaacta aagcagcacc tttattttat acatacaaac agtataaaat gtttattagg      60

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taagagctgt gttttsttta caatatatta tatybscttc avrcgccaat gcaaaavvgt 120  
tcatacatta tattccctat ttcattgtgt ttagaatata ttatattgtt taaatgmcac 180  
taccacagtg taattttttt ttttttaata ctgaatctct gga 223

<210> 803  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 803  
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cccagaaata ctagaaaagcg caccataaaa cgagggcacg agattgtbgt cccattcacg 120  
acggagctga gggggaggtg tgcagggtcc agcctagatg ttcaggattg agatgtgggt 180  
cgtgaaagga aagtgggttt tccgggatgt gggggctttt ctvaggactg ggtccactga 240  
cgctgctgyt cccaagggga tgctaggacy ccgytcaggc aggggtgggc tcg 293

<210> 804  
<211> 517  
<212> DNA  
<213> Homo sapiens

<400> 804  
ccaaatttca aaaagtttta ttttgaaaga atgagagaaa taaaacagag aggtatcaat 60  
taccaagaac aattacactg aagaaaacac aataataagt actctcccac acaaccccc 120  
ccatttcccc atccctggca caataatatt aaaaccacca aagcacacct aacaaggaaa 180  
aacaacagta cgtaatgaaa aaagcaaatg tccatactgc tcagtccaac taacccttat 240  
gaaatgtcct tccccagct aaaccctacc cactggaatg ataaagawat gtagagacaa 300  
ccctagggga gacttggaac tctgcttata ctagcaaagc tcagtgaaga atcagtaaga 360  
gtagtgaatc tgtttggcag tgaacactgg atatagcttc tttttcaa at tttggatgat 420  
tgacagagaac aggtagagtt tgaggctcac agacttctaa caggactgat ccctgttccc 480  
tcaaccgtaa cagtggggbg gctgccaaat cctgggt 517

<210> 805  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 805  
gcataaaaaa cacaatgvtt taatttctaa agcacttata ttattatggc atgggttttg 60  
vgacagggtta ttatagtcca cataggtaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggtattggc cttttctctg gaaaccatat ttycctttt ttaataatca actaagatgt 180  
atatgtaaga crgcctcatc ttttgatttt taatatacaa gatgctttc 229

<210> 806  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 806  
gaaacttcat taaggtttta ttcagtgtag caattagtgt cttcaaaaat aaagtaagt 60  
gaagcagaat tactttaatc aactaacaag caataataaa atgaaacaaa atatttgttt 120  
tctgtgtctc atttttttgt tgtatttttt atatttttta tattttgaga caaacttttg 180  
ctcttgttgc ccagactgga gtgcaatgac atgatctcac ctactgcaa tctccgcctc 240  
ctgggtgcaa gcaattctcc tccctcagcc tcccagtag ctgggattac agg 293

<210> 807  
<211> 263  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 807  
aagggttgac ttagtttatt gattacctgg gacctaactc atcctcacat cgccagggtga 60  
attccccaaa actctcatag tgctggttat agtggttagag gaccgggtgt aagggtgggg 120









<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 818  
caaaatgaaa aaaaatttat ttctcagtg ttttatccac tgtcaatact gtatTTTTga 60  
tgcaatatat ttgccaaaag aactcagctt ttatTTTcca ttttaaaca ctacaatatt 120  
tacaagctgt tcagaataac actcagacac acacacactc anagacacac gtaagtacat 180  
atgtccttat ctctggttta tactgaatgc tggtaaaggc catgaatact ttccagagcc 240  
catgatcaga aaaggaaaac ccattttcct ttcttacggt cactttccta gaatcatttt 300  
caatattcct ctttccattt cctcatgcag agtcattgcc agacttgtat aggtttaatc 360  
agtttttaca ttttactttt acttaaacta taagctttta aaaagcataa gcagaca 417

<210> 819  
<211> 444  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 819  
gcaanaata gcagccttct attttaatga attttacaca aaatgatcat cctaattgct 60  
actctctttt caactacagt gcttacagag aatcattaat tttcagatta acaccatttc 120  
aatttttatt cttaggcaac tctattgaca ctttccagtg aaacagtaaa gaacatagag 180  
caaaagcttt aagggtacat acttttgtat ggtaaataag tatgaatacc aatctaagcc 240  
tcttaacaat gtgtacaagg ttagtgctca aaccacttca cttagagtaa tattaatttt 300  
acgtgtgata ggcaaatgta tgtggagggt tagggaacaa cttattacca tttatactaa 360  
tgggttcacct tctataaaaa cagtgaagct tggtacatac gcacacttgt ttgctgcaat 420  
gtttgggcaa atgatttaaa gggg 444

<210> 820  
<211> 595  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 820  
gacaaaaata atcttgtttt tatttttagat tcagatttca ttactgcact caaacgacta 60  
caactgggct tggcggttatt atacaatcca aactgtttcc atcagaaacg ctaagactca 120  
gtgtgcaatg attgttatta ataattagct ccttggtttc ttgatagaaa aaggctatca 180  
acaagcattt gtttatccac aacaaaaagt ataattagct tatccactt agtaaactct 240  
gtatgcatgc caactcatac caaactgcta cttttacaaa aaaaaattgc aataatacag 300  
ttcatttttc cagtcctttt tgcacaaaat ttatttacaa tgtctacata aatgctccaa 360  
ggtgggacta tgaaaaaata cacacatgac cgatgctttg ctcagaaata aagtcaacat 420  
attanaaata aatcttcagt ctatgtttta gagctgctta aaacaggaag tgatgtataa 480  
ggtgggtggg tgtggcatgg gggacaatgg atgcctggat gtgacaatta gggcttctaa 540  
acacacggnc tttgggtttc catgcctcct nctaccagtc tccttaagac cctgc 595

<210> 821  
<211> 341  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 821

```
taggttttca atacacttta ataaaatagt gaaaaatagg tatctctagg atagtgaact    60
atgggactac aaagggcagg acgatacatt ttacttgggtg aaattcgctt aacgcttact    120
ccttttctcaa agcgccaacc aagaatttgg ctactaaata aagaaaaaag ctgttagtggtg    180
ctcttttatcc ngccacgata nggtgctctg aaacccgggtc ctgnaagaca ttcccttggc    240
ccacatttta tagnttcctt ctcagtctca aggnctgtag tctactgttc acactcgagn    300
ctctcgcaaa atacacaagc tcaaaagctc atggcntttc t                                341
```

```
<210> 822
<211> 405
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 822
ttttacattg acaggtttat tcttaaagct tgaacaaata catctttaca cacacacaag    60
tttgtaaaaa gtaagccctt actgctttgt taaaaataaa acccatacat aaagcttttc    120
gggtcaaattc ccgaaacatg aaacatcac atttctacaa tacatctgct tttttgattc    180
atgtgtgttt tcaacacaac tcaacaactc attccgatct acccaaaca agagaaaact    240
aacttccaga ccatgaagga aaaaaaaata catgcctctt ataactgtta aagacaagta    300
gctatagaat tctngaaaat tctcaataaa tagttactag tataaaaatg cttaactcca    360
tatagctcac cttaaatcca agggcagtag cagttatcgc cataa                                405
```

```
<210> 823
<211> 507
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 823
tttctattaa tctttattta tatgatgggt ctctggaaag cacttcattt taaaacctgt    60
ttctgagata agtagcataa ggcgcathtt aagaaatact attgttgatc cacagagaac    120
ttccatgcct tgaaatcatt tttttcagag tattattaat aagatgggtc agctatgcag    180
agcaaaaaag aaaaaaaatc ttcaaaagcc aagactgtca ggccatgaa ggtatgcata    240
aactgtcttc acatttaatt ttgtatgatt cgggagatag ctccatgtac atctaaccag    300
gtcaggcagc ataagtcctc agtaaccctg ggggtgtgct gcttcaagcc aaagtattct    360
gttgagtttg gtttgtggag agacatttga aatgttgctt catagcttcc attttctgga    420
gaagtggaag aaatgaagcg tnaaaaggcc taggaaatcc tcgtcttctc caggetcttc    480
ttctccttct gcagnttcct cctcctc                                507
```

```
<210> 824
<211> 414
<212> DNA
<213> Homo sapiens
```

```
<400> 824
gtcccacaag gatttcccag tttaatatgg aaggcagaac acacatacat gaaaggccat    60
aggaacaaat accaagcaat acgtaacata aaaataaatg tacaatgaag cctcactgct    120
tcaaatgctg gtaatctaatt ctctaagata aaaaatatgt tccctagttt tgctaaccac    180
attcattttac gtaagagaac aaaatatctc aaacacttta gaggtattat taatatatac    240
atatcaaaag caatatatta tttaaacaaat ttcaggcata cctcatttta ttgcacttgc    300
ctttattgtg ttttgttgac attgtatgtt tttcagatag atggtttgtg gcaacctgtg    360
ttgagcaagt ctactgggca ccatgttttc ccaacagcat gtgttcactt catg                                414
```

```
<210> 825
<211> 440
<212> DNA
<213> Homo sapiens
```

```

<400> 825
atatgcccc aacatgatac ttattttattg ataattcata cctgcctat ttctcaaaaa 60
tgacttgaga aaaactgcac aacatagcga caatacacat acagaaatta aaagtgaac 120
aggaatacat agagatataa cacacaaaca tcaaaactatg attagatcag gtaaattgagt 180
gttctgaact gctttgggtg cacagaggca tttaaaaata tagtaaatac tacagatcct 240
tgtcccagca aaattccttc aagcacatac ccagctttgt tcgatcccta ggggtctgca 300
actcctaaac cctcatatgc taaagactcc taggcaggcc atggaccccc agattaagaa 360
ctctaaagta aatgaaagtc agagaaaata tgggatttga ataaaaataat ggaaaaaatt 420
gagttaacaa atagaactgg 440

```

```

<210> 826
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 826
attattaaaa actcatatag gatgctttat ttatagatac acagttaact atgtacaaaa 60
taaaaaaaag gaaaaccaat ctactaaaat atattaactc taagaaaatc agatcttatt 120
cctgtttctc catactaggc ataattatct tcaaagctat acaatacga gtttatcagt 180
cttatctgtt tgccataaca tcattatgaa ttttctcttt taaaaatggc aataacaagt 240
gacttatgtt ctaataaaaat ttggatcaca gctagcaaat gaaagactat gagactcaat 300
cacttttaat cattaagttt gtgttagtct ttattaaaaa caaaaaataa ctaaaatttc 360
agacagcgat gtacataata tatatnagaa tatacccaaa aaagtaaatt tctaccaccc 420
ctcgcacagc cggaatttcc atgggggtat t 451

```

```

<210> 827
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 827
gagactgcat agggctcggc gtggctctgga aggaggtagg aaaagaatga aatccattcc 60
cagggacttt cttaggtgct gatttaagat aaaatgcaaa tgaggtagac acagttccta 120
gcctcaggaa ggacaaagag aaggggcagg tttggataat ctatatgtca gatgacaatt 180
tattcaacga atatttttta aagtaccaac tgctagcaga accctgcact gtcacagca 240
gggtggagcag gtggcagatt tcagagtcac ttgctgtgct gtgacttgga gccaaagccc 300
cgatttccca ctggacagag ataatgaaca cctagtttct tcatccatgt ggactcagca 360
cacagtggta tttggatcac naaattatcc tggtagtata ggcgaggtag aaaccctgtt 420
aaggttgaga aggggca 437

```

```

<210> 828
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 828
cgttgtaatt atttattctg ttactggctg cttagtgtga catatttgat gttatttcaa 60
ttgtaatact cttcaaattg gaacactcct tttctgatat tcttagcaaa tccctctttt 120
atTTTTGCCA cttgttataa tatctctaag aagttactcc aggaccgggc agtagggatt 180
actgattcag atgggtccag tgactagaat atgagtagaa agtgtgaggt ctaatttgaa 240
cctgtcagag ttactgttgc ctgcgctggc ccaaagtgca gatttttagt cagcttgtga 300

```

```
taggccaggt gttttgtctg gaccaggagt tatctttgac ttgtagctag aataaggatc 360
ctgagaagtc aggtatccac ttgatgtcct tttatttgac ttgttaccat tagtactctc 420
ctgggatcaa ggctgccaac cgaacctata ncccagattt ccc 463
```

```
<210> 829
<211> 355
<212> DNA
<213> Homo sapiens
```

```
<400> 829
ccatttcaat ttgtatctgc tctcctatctt tttttttttt gtattttttgt atttttttact 60
ttccttttatt tgcaataaat ggttgtggat tacttctgga aagcagtaaa tcctaaaatt 120
gacccatagc catttattcc taagaacata aaaaatgcaa agatctaaaa aattaggaga 180
caattcaaaa ccaatgatat aatttaaata tgttttgtga agaacagggg tgcatgatct 240
tgtttttcat atcctctcat ttgtaggcag aatgtgtaaa tcatgtacaa gtgaaatgta 300
tcttcttttg tatgataaaa ggcaaaagtgt cagcttggtt gataaagcag ataga 355
```

```
<210> 830
<211> 466
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 830
tctccattca attcatattt aatagaccac catctcttct gccttcatca ggaaaaaac 60
aaaaacataa acaaaatagt atctgcctat gattaatagt atttaattac acgcactttt 120
gtttgagttt acttccttgc tttctgaaaa aaacatagggt atttagacac tagttcatga 180
tgataaaaatt aaaatttagt ttacacaaca aaaattgaaa ctgtcatttg taggaaaaaa 240
attcaaattt aaaattgtta ttttctacta ttcttagata gcaagagaag taagaatttc 300
tttactngng atttatatca caacagaatt ttttcttga caaaggacct tttaaaaatc 360
ccaggaaagg accacaaaat aatcaaagac tgcacattgt aaataaaacc cttcagctgt 420
tattgaaaca taagtataat tacacacaag gaaaagggtat tataag 466
```

```
<210> 831
<211> 416
<212> DNA
<213> Homo sapiens
```

```
<400> 831
aatgtacatc atatttttta tagaagtgat tatatcacia agaaaaatcc tgccaaacaa 60
ctacaaatca agaactctgtg ggcaaaaagc tcaattcata caatgtaaac acattgaaaa 120
aacaatgca aaataaaaaa agctgttgat acatcacctt gaaaaattaa cacaactaaa 180
ttaagggcta tagaaaatgt gttcagctta tatatcatat acgtcattta acttgaattt 240
tacaattttt aaactaatag aattcagatt tattacttga aataatggta taccagctg 300
ttcttcataa tggcaagcat attccatata caatacaatt tatttagcat agttttatac 360
tcttaagtaa aatatgttag tggattaaaa gcataaagga ataaatatgg cccagc 416
```

```
<210> 832
<211> 473
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 832
cgctctttac tttttattca ctcacacca ggttctttcc acaaagggtt caaggtagtt 60
acaagaatta ctactgtttg gcgtttgtct aaagaagtac gtgagaatat tatatgcttt 120
agaaaccaca gagtcgaagc ctgtcatcgt cctcatagac caatgagtag ccacacgtac 180
ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg 240
ctcggcctgt gcacgtcacc ggctcttccc tagggtagct tttgcttgct ttctcccacg 300
```

tccatcctct ctctctctgg actcacagcc agccagggtt ctagccttgt cattcctaaa 360  
actactgcct caagccaggc ggggcgcaca caaacttaaa atgctaattt ccacagcggg 420  
gtctggacta atgggtgtcc cccaccgtgg gaattgtatgt gagctaaaga can 473

<210> 833  
<211> 238  
<212> DNA  
<213> Homo sapiens

<400> 833  
caaagaacaa agaagtttat ttctttccta tgcaacaact ccaagggtcaa catttcaggc 60  
catgggtagc tgtgatccag gaggtcattt gggaagccag gctgatagca gttctaccat 120  
cttcagatg agatctcaa ggtcactcta gtcttcacag ttccgcaagg tccgcgggctt 180  
cattcttgaa gtcagtgaga ccaagaaccc accaattccg gacacacacc tggattca 238

<210> 834  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 834  
gcaataccac aaattttatta taatacacag ggaaaaacaa actcaaactt tgacaacatc 60  
cacagaatgt tccagtcttt aaaaagtttag cagaaataaa gggtaattgga aagaatataa 120  
tctcgtaatt ttatacttaa ggctgtaaat ggcaaagtc 159

<210> 835  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 835  
ttgtctttta aacagtttaag gtttaatatg ttttctacat tacaaaaata aaatacaagg 60  
gcacacagtc tggtttttaga gtaggatttt tgtctttttc ttcccttaag tcaaaatata 120  
aaagggaata accaaaagga aaagataacc atgggttggtt aaagtggatg ccacgtgctc 180  
tct 183

<210> 836  
<211> 432  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 836  
ttttttttta ctcagaaaaa taaattaatg aataagattt cctctattaa agttttttct 60  
tggtttttta aaaagtgact tgcacatata caaccttttc attagtaaaa ttgcttagtt 120  
catgcaatca aattaattat ataagtattt catggcattc tccaagctct actacttgaa 180  
caggtctgac tgaggcatta ctatgctaag gtactctgat cccaaatgat tgtctaccta 240  
aaaatagaac aaatactgta ttttctggaa taaaccaata attcgtatgg ttttaggtac 300  
tggattatac tgatgaccca agtcattaat aaaatgttaa aattatattc aacatctaata 360  
tactgttagg gcaaatttgt aatacaatct aaaagtttct taaantgggt aaaaagggtt 420  
nggtgcttnc gg 432

<210> 837  
<211> 459  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 837  
tttttttttt taaaatgact aatattttatt acacaagtac ttagttacac ttatctgaaa 60  
attataatag gacaattggg gcatgtcaca ttcatattac tatccatata agaacaataa 120  
catttagtca actatatcag gataacacac aagggttttg tttgttttag gcttctcagt 180



tgaagaaaa catcgagtta aggnaaaaatc aatttccagt gattaagnta ttaacaatat 240  
naaataatta aaaattactt ctnaaatgtc ttacattttg gacaactttg gaattatact 300  
tacatactna atatttccca aaaatgcatt taggttacag ggggtcactg gtcgggggtg 360  
gaaaatatta tttttggaaa ggcctttttt aagggtntgg ttntttattn tggcttttaa 420  
cctcctttnc tttnttcttg ggggccaccg gggcttcgg 459

<210> 838  
<211> 289  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 838  
ttaacaggag acagggggtt tattattact caaatcagcc tccctgaaaa tttggagggt 60  
aggggttttt aaaggtagtt tggcgggcag ggggttgagg tagagcaatg tcatttagct 120  
tgctcacttc catctgccag tttggnagct tcttggtcga nagatggcgc cgggcatgct 180  
tggtcaaagt gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240  
caccctgtgt ggttcgcctg tgtctggaca gttcancaga acgggcaaa 289

<210> 839  
<211> 399  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 839  
acacgttcag gggcctttat tactgcgggg ggtggggggg ggcgggggtg gttaggggag 60  
gagggagact aagttactaa cagtccagga ggggaaaacg ttctggttct gcggatcggc 120  
ctctgaccca ggatgggctc ctagcaaccg attgcttagt gcattaaaaa gtggagacta 180  
tcttcacga atcttgcttg cagaggttaa gntctgtctt tggctgttag aaaagttcct 240  
gaaggcaaaa ttctcataca ctccctaaaa tatttntgcg aagagtaaaa cgttcagcaa 300  
acacattnat ttggaagttc cagtagttaa tgcttgggca ntttttttgc aagggtgagg 360  
tttgtctaaa ggccccaan cagggcacaatt atctcccng 399

<210> 840  
<211> 423  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 840  
tgaatattca agaaagggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60  
caagtgttag gccacagcac aaaccctct gtccaatcac aaatgtccac aaatttgcaa 120  
agtaactgga cacgaacgat atgcttctca aactcacaca catattcgtc catcacacac 180  
acactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240  
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaatacca tttggtcctc 300  
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccggt ttgcaggatg 360  
agggaaactg aggctcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420  
tg 423

<210> 841  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<223> n=a,t,g or c

<400> 841  
 ttttacnnnn ctttggattt tttattaagt tctgcaataa ataatagggt tataagttca 60  
 ccctgttggt ganctcatca gtggtcgcca agtaagaggg tgaatcactc atcccaagag 120  
 actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
 agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
 attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
 atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
 actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
 taccntgcc acactgggca 440

<210> 842  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 842  
 tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt tacottcaaa 60  
 atatttgtcc ttattgactg ggtctcctta attaatgtac acatgtcatt agaatgcaga 120  
 cggaggggac tcaccatgaa tatctggggt tgattcccag atgtgtgttg cttctctatt 180  
 gcaagcagat tcccttgtcc ggatttactt c 211

<210> 843  
 <211> 510  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 843  
 tttttttgtg tgggtaccttt tatttagtca gtcttcattt aaatgtgtgc ttttgaaatc 60  
 actaaatatg accttttcag aattcaattc tcacagtatt tacagtgaac tttgtgcaaa 120  
 caaatcccc tttgtgcaaa gggggagctt cctgtcccn ttggcacatt aataacttac 180  
 aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaagggt actgagctgg 240  
 gataatgggt tgctaggaaa gagctaagtc aagcccaaag gaaataaaat gttttcttta 300  
 tcagaaaaga ataataacaa ggcctcactc tccaaaggaa aacagacgtc ccaagatgtt 360  
 gtggaacagt aattaagtaa ccaaatacaa ttccaatgn ttatttcacc ttcatttntt 420  
 atacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgc nttcgaaggg 480  
 actctgaact gtcaggggaa cgttntaaaa 510

<210> 844  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 844  
 tttttttttc ctgcatgatt gtttattcac atccacttag caggctgggt agcagcgtgc 60  
 gnaggaggcg gcagaaccag aacctggacg cagganaagg acggggggca cgagatgggc 120  
 acaggacgcc tcccaatcaa ggctgctctg tgggtttcag aaacgggaca cccatccctt 180  
 caggcatcca tagcgtgtga actgtaggac tacagggtgc aggtcaccac agagctcagc 240  
 atccaaacca gtggggcaca gcttcggcct cccacctgcc caggctcacc agagacactg 300  
 gctntgggca gagatgacct ggagccagga tccaggaact gttgcgcacg ggggtaagag 360  
 gccgggcccc nccgcattgc catcgttgggt tgangctttt gc 402





tctgcagtga tgtctgcagt gacgaacgcc cggggtggtg agctctcgac tttagagaga 420  
gaattgcatc c 431

<210> 852  
<211> 363  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 852  
tttgtcattt catttagttt attagacaaa aatatatgat ttagacaagt tcgctgacgc 60  
gctatttaca atctgaaacc actctatata cagaaaaggg gggaaagaga cacaagcacg 120  
tgggggcatt taccgaaccc gataatcgca gccactggag ccgccggaga ggctgggcca 180  
cctggacgcg agctcgggac cgaagaagcc cctttctgca gaaagcgacg gatgcgagtc 240  
cttgacgtcg ttgtcatatt tgtcctttac accagtntga aatatttgnt cttaaantcc 300  
cctcgnngcc gaattctttg ggctccgagg ggcnaaaatt tncccatag tggagttcgg 360  
tat 363

<210> 853  
<211> 418  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 853  
tgcaagacag aagcaagtgt ctaattatag caatttgagt tgagggtttc ttttttaaag 60  
gtcaacagaa gccaaccttg gtcacacagg tagtgaggga aggatatgtt gtgggcggcc 120  
cacaggcaac nattgttttc ctgacagaaa aaaaaaaaaa agcgccatca gtaccgcctg 180  
taggggggcat ggtggggggac agacacggca gaacgctgga ctcttgcttc agatnnggcg 240  
accacaagca cacggcactc tgcacaggtg ccagtccacc accagggcca gcctttgagc 300  
acaccctggg tgctcagac tccggcagaa ccacatttcc atcgacaccc caccatttag 360  
gggccaccag tcgagaagca agctgggcac caggcagctg ctttgacatc cagagaaa 418

<210> 854  
<211> 355  
<212> DNA  
<213> Homo sapiens

<400> 854  
cttatttggtt aaaggcaatt tattttgaaa tgttgctttg gttgtttgct ttctggaaac 60  
atattggaac acttgttttt cataagctgt cctgacagtg gcacaatccc atccatcttc 120  
aggcctttta ataaggcat tatgaaatct gaatttctat taatactctg gtgcattcat 180  
ttcatctgca aaagcaactg gcacaaccac tccttgccgg tgcagctctc ggagaacatc 240  
taatattgag tctagtcttg tgcggaactt ctccagctca cgattcttta actgtgccag 300  
tcttttccat ttttcaactt ctttgttttg ctacgtttct actacttggt gtggtt 355

<210> 855  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 855  
gcttggtcga aggtagaaaa gttaaaattc ccttttctta gataaactga ttatttaaaa 60  
ctgaaaatta acgttttgac aactcaagag tgtctgacat cgctgggatc ctggagtgtc 120  
gagtgtggcc tcgatgggtg cttcactcct ccacatctgg gaggcacttc agtctcangn 180  
aatcaccccc tttttttaaa agagaatgga ggcagctact ggaggccaag cacctccagg 240

cactcaaggc	cctggggaca	gcgtactga	ctccactgcc	tcagggaggc	acggtgctgc	300
tctaccactt	cctctgggct	ttgtaccttt	aattgtgtct	actctgccta	agtgcctaaa	360
taaagcattc	cattaagcaa	aatacacatg	gagcggatta	cacactggac	tgcagaactc	420
agatgtatgg	gatg					434

<210> 856  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens  
  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 856	tttcttgtaa	caaggcattt	atattgggatg	aggaaaggaa	attgagcaga	aggaaaactg	60
	tagtgtgact	tttcagttac	cttttcaaag	attcaactaa	atatctgcta	tttttaactt	120
	gagttccttt	tattacttct	ttttaaaaaag	tggccctggt	gacacttggt	acctcaataa	180
	aagagatatt	ttaatgttaa	aatgtcttaa	attaatgttg	aaaataaaaag	tattttttct	240
	catcccacct	aaagaaggag	ggattttctt	tagcttcttc	ttgatcttga	cagcattgct	300
	gctgcatccg	tgactctgga	ttcagtgcca	gtgatacagt	aggtgaccgg	tggacttgag	360
	ctggggggct	aggttatagc	atggccaatg	gtaaatagggt	taatttggtc	cccgtgggtt	420
	ggacnacct						429

<210> 857  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 857	taaacacagt	tcatttttag	tttgtcgtgg	caatacatgg	aaaaaatca	ggccactact	60
	aagcatctat	agagtgtatc	tttggcaaaa	atgtggacct	gcaacaattc	agatgggttt	120
	ctttcaatta	ggttcaaaaa	tcattggctct	gtaaatattcc	aaaactttta	aagtcttctc	180
	atgtcttctt	ataatcgggc	attcagaggt	acgtgttggt	tctaatagct	ttg	233

<210> 858  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 858	aatattaaac	caatacttaa	gttcctttac	tcattgttga	gacagactat	tagtgtaggt	60
	gtactttcat	ttatatgttg	taccaataga	ggttaaaagt	atgaccctat	cggtaatctt	120
	tttaagcaaa	taaaactggt	tggatgcttt	cccaggacga	ttggattgcc	ctccaggcgt	180
	atctcttcaa	tgcggtcccg	gatgtaactg	gtgtcattag	ccttgcagaa	tgtgtcatct	240
	gtaattgaag	ctatgttggt	gaactgaaga	tgaattacac	gtagactttc	tggtaaatta	300
	agaggcacgg	attccagggc	attatgggtc	caagtacgag	gaagggtgagg	ttattcagtt	360
	ttttgaatgc	atttgctttg	attcccctac	tcttgatttt	ggt		403

<210> 859  
 <211> 382  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 859	aaaacaaacg	catatgacat	tttacttaac	agactggcaa	aaatgaaaaa	agaaacataa	60
	tatcctgagc	tggcaggagc	acaaggaaat	gggtctcgtg	ctgatgatga	atgtgaattg	120
	ataacagttt	ttttgtgatt	tgcgatacac	naaaattgaa	aacagcacaa	atgtacgtta	180
	ctctgggctc	gctaaatagg	cactaaataa	aacgagtcag	tttcttctcc	cgagcaagta	240
	aactagaggg	tagatccacg	cgaccgggag	tctaggacac	atcctcgggg	gtgaacagcc	300
	acaattcaca	gacgatgtgt	gcagccgggg	catngaaagg	cccaaggcaa	acacaccacg	360

aggtaaacgc cgggactctg ag

382

<210> 860  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 860  
aaaaaaaaaa caatatttag tctttctggg atatcagctt ctgcctaaat tgtgagaggt 60  
ggtgtttcaa aagacacacg caccagtggc cccggggaga gctgcattcc aggttcctgt 120  
cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggcccaagc agcatggggg ccctgagtga 240  
aatggagggt cccacactgc ttccaggaca ggactgtcgg gggctctcct cacccttgac 300  
tggccacag cagcaggctg ctctggcgt ttggcagcag tctgatggg gctgcagcag 360  
ctggtgagtg gagtcgtcgg gcagtgtgta taagaaagag ccctcgtccg 410

<210> 861  
<211> 315  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 861  
tttttttttt gacccaagc acagctttat tgacacccca gccaacacca acactctttc 60  
caaccagcgg tgagggggccc atggngttn gctngaagg tggattgagg gcctcggttt 120  
tttgttgagt gatgacagct ccatgttcct tccagttggc cctgcagccc ctctatcccc 180  
cagctttagc cgctactccc agtggggcag gaggagcttc catttgccat ctggagaccc 240  
tggcagggac ttgcccattc gatccanaca ccagcagggg acctcggggc ctgcccctgg 300  
ggatganggg gcant 315

<210> 862  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 862  
gctcttgtgt acattttatt atcattatta gtaataaacc aataaaaact gaataacaaa 60  
ggaaaaagct caagataaat aatttcttcc ttgtgaattc aaacacatgc acacacacac 120  
atcctcctct gtgtgtgtta ctctctctc acattctgtc ctacggtaca aatagttaca 180  
caaaagtcta caaacgcga gtagcagacc ccagctgtgt taagctcagg ctgattctca 240  
gtctagatca ccagcttctc cacgctaagt gtacttgtgg ttctatctc ttcatattgac 300  
ccaaaatatc ctgggagggtc cagcatcctc tgctcagcct cagtgaggcc aaacgacgta 360  
ttgtcataga aggcaaactc aggggtgagtg gggaagcttg acacttgtct tttctacacn 420  
ggttgggtctc tttg 434

<210> 863  
<211> 413  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 863  
gancatttta ggaaaccttt tattgcaaat gccattctgc atattgattt ttgacagaaa 60  
gtatcagaaa tgcttctttc ctgggaaaag gaatataaat gacagcaaga cacattttag 120  
ttgctactaa agaacagcat tattttcaat cattttaagt cgctcattta aanangcaag 180  
ggtntaaaaa cgggttttaa ggtgggagcc tgcaaaaggg taattaatta aaaaagtgtt 240

```
tctctccccgg gaaacagcac tgtttgggtct gnatcaaatag ccgaagctgg gaatctgatt 300
ctgggggtgcc gtctcttcgc tactgggagt tgctgaccag caggctgcc attcacgaaa 360
agaggttggc aaggccaggc cccaggtng cgctggggat ttctgggctg ggc 413
```

```
<210> 864
<211> 274
<212> DNA
<213> Homo sapiens
```

```
<400> 864
tttttttttt tttttttttt tttgcactag aataagtaat ttattagtaa gcacaatgac 60
atcttttagg agaggttagga caggccccca aataagcagt tctgtctttt cagtgttgga 120
gccatcagac tcattgggac taggtttaaa ctggacatatt tgagaatgat gaaaatcctc 180
caggtctgcc aggaaaaaca tttcactact tcatagtaga tgatacctga caccacctgc 240
taaagagcta agatgacatt ccctaagtgc ctag 274
```

```
<210> 865
<211> 501
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 865
tttctctctc tttggtacag aatatagaat cctgacctcc caagaaagtt aatttactca 60
gtcagtaaat ctggagatct ctgcatgtag catttttatt ttacatattt atttattagg 120
ccccttctgg ttccaaacag gatttggcac actgtntttg attttccgct tcttccaac 180
tctgcaggaa acaacaaaag cccactaag acctcaaaag gagaaatcct cttgaccag 240
tttcacgaat ttttcgacac tgtcgtttat tgaaggccat cttgtggcaa cccagtgct 300
catgggggag gagcatacc agagaagagt gtaaaaaca cccatctgt tacaggacag 360
gggtcccaat ccagactcca agagaggggt cttggatctc gcgcaagaaa agaattcagg 420
acaaatctgc agtgcaaagt gaaagccagt ttctaagaaa gtaaaggant ggagaacagc 480
tctccatgac agggcggccc g 501
```

```
<210> 866
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 866
ntttttaagg agctttctgc atccacttta tttagccaga gagggaaggg gttgacataa 60
acgaaaaagt ggatcaaata gtcaagaaca tgatgggccc ggcaatgaac tgaaccactt 120
ttgctaagtg acagaaaaat attctaatat taaggattat tttaacaactc natggaagta 180
atgcngtgat gcattcttga tctgttttgt cttgatgaca aaacgcactc ttagagtcac 240
aagatcctgc cttgtgtag ttataaaca aaatatattt atatatata 289
```

```
<210> 867
<211> 512
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 867
tttaaaagta tcaaataatt ttattatgaa agataagcca tttattgacc attcactttt 60
ctaaaaaac acaaatgtga gaataaaata aacataccta agactnactg gccctccag 120
gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnaaatgtct 180
gaacttctca tacattctag gatttcatgt ttcgttaca aggaaaggaa actggctaga 240
```



agattcatgt	acaagaaggt	cacaacttta	aagctatctg	acgctaata	cttgtacaat	300
ctggtttgca	aactctgaga	gacagtatca	aataagcact	gttcaaagac	tactcccagc	360
taatccttta	ctgtcatttt	ctctttgaaa	ttgtctttgg	gactggntat	gtntctcactg	420
tagcttccgt	ttatcccaca	gccccaaanc	cctanagtcc	catggtgcag	tctccatggt	480
caaggtataa	aagtctgttt	tcaggacaa	gg			512

<210> 868  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 868	aaagtataaa	gtgttttggg	aaaaaaggaa	aaaaatctat	ataaaaatct	cttcacatat	60
	aaaatcctga	agaaggtgca	aggtgagacc	cagtgcgagg	ggcgtgctca	gatatgcagt	120
	gtgtgtgtgt	gtgtgtgtgt	gtgtgtatcc	gtgtgtacat	gtgtgcacgt	gtgtcgtatg	180
	tgtctgtgtg	tctgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtggtgg	gtgcaagtgc	240
	acgtgtggcc	cacagagggg	ggggagaaa	cttggctttt	tacttccatc	caggagggaa	300
	ggagggcgcc	tggctcctca	gccttgagg	gtctgcagct	gggcggggacc	tctactcagc	360
	caggctgttg	cgcctcgact	ccttctcctg	gagggcgggc	atggcaagac	gcagggtgctc	420
	cttcagctgc	tcgatctccc	gtcagaccg	tgtctngatg	tga		463

<210> 869  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 869	tttttttttt	tttttttttt	acaatctgga	atatataatt	ttnattagtt	ctcagcagtg	60
	cagtaaatga	acaacactta	ttaataatta	atttgggaga	gaatagcagg	aggaaaaata	120
	taaacagtag	ctttttgtga	ccatttttta	gtagctgaca	tctcagtatg	tttctggaat	180
	gaacaaatta	agggtgtatt	gtatatagtg	atttaaataa	tcagctttct	tatagtctta	240
	tcaactgaga	ttataaaatt	gtaaacacaa	tttttccatg	tttacatcta	ctagctttca	300
	tttggaacac	ttaaaccata	cttttccatt	atgtagttaa	ttcatttctt	gagtgcctgc	360
	ctgccattag	atgccagggt	cttatcta	tttccagtta	gttactgttc	agcttaagtc	420
	actctacttg	gttggttn					437

<210> 870  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 870	atatagaaat	aactttaatt	aaaaaactta	catagaagat	tataatatca	gacgtgacaa	60
	agatttgagt	ttatttgcct	ggacaacttg	ggtttgtctg	gcttttgttt	tctttttctt	120
	taaaaaataa	tgtacagtaa	aactacaagc	aaaagtttgt	cagtattgaa	ttgaattttt	180
	taccctttaa	aaggactagt	ataatttcca	atctctaaca	aaaacttagt	gtcaaattctc	240
	acagataagg	ccaaatggca	gatattttca	gttatgtggg	tagtacaact	tgagtaacct	300
	tttttacatg	acaaaaagtg	agttatataa	attgtcctca	actttcacat	aggaaaaaaa	360
	tggtttaata	gcttcaaaag	gaattttctt	tcatgtatac	tcttcagtat	ccaatattga	420
	agctttgttc	tttg					434

<210> 871  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens



```

<400> 875
ctaaatgctt taattttttg tcacaaatat ttctgcatct ctcagtcctt tcttggttga 60
aaaaggaggg ctagtgtatc atttggtaat ggcactttta aaangtgctt tggatatatg 120
aggnaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

```

```

<210> 876
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 876
ttgtgcaaag gaatgcatgg gtagcactat cttatgacct gggctgtctg acggctggct 60
ggcaaagtca agtatctcct ggcagaagtg cttgcgctcc tcttcagtga ggtgggtggc 120
actggctaag aggctgctgg tctgcaggta gttttnaatt tgtccaagggt gcttttaaca 180
ttcggccagc tgcttccttg tgtgtgtnat ggggagtgcc cagccctcag ccaggtagtt 240
tttcagtgtc ccttgaagat agatttctgc cttttgttga gcctttttcc tcatgtaaaa 300
ctctgccaga tcttttccaa caaacttagc agatcgaatc ctcccaatgc ttgtatacat 360
ttcaatgggtg gcatgggaca aatctaagta gtgtttttca aaagctt 407

```

```

<210> 877
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<400> 877
tttttttttt gtactcttta aatgtacttt taatgtatatt taaagaaatt ttaaatgaga 60
tatttaataa tacaagtatt tgagagcaat aaaaaaagaa agtccataca aggaagatga 120
acttagagag agctaccaga gcaggtaaat ttccagcatt cttccatcat tgttgagaga 180
tggttatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta 240
gctcaatgca attagctggg aagatcacgg gactcactct tccagggatg actccgtgca 300
cattaggaaa cctgacattg gtttgccttc caatgtcgtc ctttgctgtg ggggcaatgc 360
cctgggcaca catattatca gaac 384

```

```

<210> 878
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 878
atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60
aaatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat 120
acagaaggcc aacatttaaa ctgaatgata attaaacgtt tactaccata ggtaatatat 180
acgcatttct gggccaata gaaggtgttg aatcaatgtg atc 223

```

```

<210> 879
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<223> n=a,t,g or c

```

```

<400> 879
tttagccgct caaagaaaat ttattggcac tcggtaaaga caatgccaca aaatgccatt 60
gaaacagata tctgaaagca caaggtgctg atgtagccac tagatgaatc tgttcggtag 120
cagttgagcc cgggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta 180
ttgagcaatc tgcaaaaata gatttcctgt ctcacacagg acagggtaga tttccagcaa 240
gcataatcaa aatctccaag tcttttggtc aaattagagc tgccaccatg caccagggtt 300
tacttaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt 360

```

gtgcagctaa	ctctttccac	ctctctttgt	tctgctgaat	gatgtccacc	aggttggtct	420
tgaaactctt	caggtccact	gctgcaaggg	agtagtctgg	ggaataggna	ccatcactca	480
tggaggcctt	tgtatttgat	cgtctaagtg	catcagccat	gtggtacccc	acaatgtggg	540
t						541

<210> 880  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 880						
tggggtaaa	tttaaatggaa	aagccgtgga	aacgttgagt	tcacaaacag	gacttcccgt	60
gcaactgtcc	agccagacct	ggggcagctc	ctggggagccc	tgcccccttc	acacacacccc	120
atcccatcca	tgggtgcctga	gaggccttca	tcttcagttc	cctccaccag	atcagttggg	180
catgttgggg	gcagagatgg	agggttgttg	aatcacacta	ggctctgtaa	gctgagaaga	240
cgatcctgca	caggggtggcg	taacagtctc	ctcctgccag	ggcacctgca	gggcgagaag	300
tcacatgccca	gactgaggca	tgcttgcgaa	cactagcctg	gccccagcag	caggggggtgc	360
tggaggagct	gcagcttttc	cccatcttgc	tgaattattg	atgggcctgg	cact	414

<210> 881  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 881						
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tatcaaaaag	aatatgcttt	tctgatgggg	aagtgcacaaa	aaaaaaaaaac	tacacagaac	120
aagagtaata	aagttctcaa	gtaaggattg	cactccaata	ggaattgagt	gattctctca	180
gagagcactc	attacatctt	agacaacgtc	actcttcttt	cctcttggcc	atatgttcag	240
gtctcatagt	ctttctgaac	acagaatggc	agtggccagc	attgtccatt	atctatgttc	300
cgcttgttta	ctaattaaaa	agctttggtc	ttcagtgttg	taaacgcaat	ttctgccttc	360
gatatacaaaa	ggtgagtga	tgagacaaga	ttagttgaag	gaagtacttg	atattttact	420
ccagatagct	gaatgaaaat	gggta				445

<210> 882  
 <211> 263  
 <212> DNA  
 <213> Homo sapiens

<400> 882						
aattttttaa	agttgtcata	atgcaaattt	tattttgatt	agtttttgtg	actcctttat	60
cttaaacccta	gcatgcttg	ccacttccca	aggtgtaaaa	atgtgaagat	taaggtaaac	120
tgaatgtcga	ggagtgtaaa	gagatggcaa	aacacagata	aaaacatcca	aaaagcctct	180
tggggcaggt	caagcttatg	attcaacagt	tagaaaacca	aaattacttg	gacatcccct	240
tctacttaaa	gtgatatact	gga				263

<210> 883  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 883						
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aattactaat	cagagaattc	accctatagt	cctcatacaa	aagctggatt	ttgtcaagga	120
gaaaaagact	ctttcttgaa	aaagattaca	gaattctttg	tcctaaaaat	gtagcacctc	180
atacatagaa	tgtatagcat	aaaataatgt	ggctttcaac	acatgatcat	tcataatttg	240
tgaagtgtct	tccttatgca	tacatgaaaa	gtccatattt	tgagtattag	ttaaataaaa	300
acttg						305

<210> 884  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 884

tttggggtag	tatattaact	ttattttgaa	ttattatata	acatggaata	tgtcatcaaa	60
gaatgaatta	atgaaaaacg	tttgtagttc	agttaagcag	atgatttgca	taggaattgc	120
tagttttaag	tcttaggatg	cggacgtaac	tgaattgtca	attagattaa	catagaataa	180
tcatttacat	gtgtgcaaac	taaaatgcaa	ttttgaaaat	aacacacctt	tccgtacagt	240
ctttggtagg	tgatgattca	ttttccctgc	tatgggtaat	ctcatctaga	tcaaatgtga	300
tccttctaag	ctagacacct	cttccctaca	gtaagaaggc	ctccatattg	ttcaagctac	360
t						361

```
<210> 885
<211> 501
<212> DNA
<213> Homo sapiens
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<400>	885						
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cgttgtcaca	gggaggacac	accgttgtgc	cttggggctt	ggaggcttcg	gtggcattgg		120
gcggcgtcat	ggcgatgcag	acgtccccct	cgggagactt	gtcacactta	agcatctcgg		180
gccagtagaa	gccgaagaac	tgcattgaccg	gctcgcacga	gtcgcgcacg	gcctcgcaga		240
ccagcgacac	gggtagatgg	gccgggtccag	gcagacgggc	gcgaagagcg	agcagaggaa		300
gacctgggtg	ccggcgtggc	agttcttggt	gagcaggggc	accagctgc	tggcctgctg		360
cttcacctcc	gccatggtct	cgtgctccag	caggttgggc	agcaccatct	tcttgtagcc		420
cacgttgtgg	cacagccgca	ggtccgcggg	gatgttcacg	cactgagggtg	gcttggtgta		480
gaagcgcgccg	ctctggtacg	g					501

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<210>      886
<211>      242
<212>      DNA
<213>      Homo sapiens
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[illegible]

```
<210>      887
<211>      472
<212>      DNA
<213>      Homo sapiens
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<400>	887						
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atttctaaat	ataatgttca	tgaggaaa	agaaaata	gtggttct	cttctact	gaatttga	180
atggttcttc	ttagtatctt	ctagatgt	cagaactg	gtcagatt	gtcgtcag	aatgctga	240
gtccacaaaa	catattggtg	agaaagat	gaaggatt	ccgtccgc	cttgactg	atgtacaa	300
gagcccttcc	agaacacagc	agcgccgc	agggcccc	gggagagg	gagaggg	atcgctaa	360
caccagaggc	tgcattccaa	cttttctc	ctcaacga	gggttttc	catgttag	ttcttctc	420
tccttaaaca	caaacttaaa	aacaactg	gccttaaa	ctatctac	tatcgcat	ctgtgctg	472

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<210>      888
<211>      566
<212>      DNA
<213>      Homo sapiens
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<400>	888								
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gcacgttagc	acacacctgt	ggttcagct	actcaggaag	ctgaggcagg	aggattgctt				120
gagcccagga	gtttgagacc	agcctgggca	acatagtga	accctgtctc	taaggggtgaa				180
aagaaagaaa	gaaagaaggc	aaaatattag	cacagattca	ttgtagagaa	aatgttatgt				240
atcctcacag	actggagcca	catacaaaga	gataagtagc	cttctttccc	atgcttccag				300

ataaccagga	tgcattctaag	gtaagagggt	ggaggaaaga	agacacattg	ctctgattcc	360
aagggttagag	ggaataatga	ccagatttca	accctaagat	agaacccaaa	tacttgggag	420
gcttgtgggt	ctttcttctt	aatgggtgat	aacacagtgt	ccctacagag	aggatcatctg	480
aaactcagag	gcaaataact	catcaggggc	agcaacactg	gcaacctaac	ttagaagccc	540
cgtgtggccc	ctttttttatt	tggagt				566

<210> 889  
 <211> 320  
 <212> DNA  
 <213> Homo sapiens

<400> 889	tttgttgatc	aacaaaattt	gttgaaaagt	gtagcatcat	actcaaatac	agcagtacat	60
	actagggaag	tttctgtaat	gttggctctc	cttgtttctc	ccctaccttc	ccccctaaaa	120
	caaccttagt	aataaaaaaa	aaataacacc	tagcacagtt	gcaaatacat	tcctgttttt	180
	taaaaagcca	gaatatacgt	gtgtgtgtgt	tatatatata	gttttaaaat	gtgccttata	240
	aatttttttag	tttttccctt	ggctttttgc	aaaagaaaac	aaatcctcaa	atatacttag	300
	agctacatca	taaaaatgat					320

<210> 890  
 <211> 318  
 <212> DNA  
 <213> Homo sapiens

<400> 890	ttttttctga	aatcattctt	ttattttgca	cacacatagc	tgctattttac	tgaacactgg	60
	aaattcatga	atgcgttaca	tattttaaact	ttcatagaag	gctcagatca	acaaagcaaa	120
	acttctacag	ataataagta	gttgtgtatg	cttgtcactc	ttggggcccat	cagcacctgt	180
	tccttatcat	attgctgaac	tctgcaaact	ccagaaagga	aggttttctt	tccaaacttc	240
	agagaagctg	cagatcaaga	atttgggccg	ttgcatctga	ttagaaactc	tcttcttcca	300
	gtgtgagaac	gttggatt					318

<210> 891  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<400> 891	tgaatgatgt	gcaacattta	atagtcacaa	agcattttgct	ttcagtagac	ataatgaaat	60
	acagtagtgt	gaggtttgg	tgttttttta	caatgaattg	tgctgggcat	ttatgtatag	120
	agggtctatt	attttcttct	gtattttctca	tattcacagt	tgtaataaag	ttttctgagg	180
	tgccccaaag	atgcaaaagc	agaaattttt	gaacacgtat	tttgagaatt	tctgaaactc	240
	acataggtac	attccacagg	gaatatacag	aaattttgct	tgattgagta	tagagttgg	300
	aaaaatttct	accacaatta	ggtttacaca	ggaaaatgta	aaaaattact	attttaaaag	360
	gtaacacagt	attaatgaag	atgtataact	atagattgtt	tctagcttca	gaagagggtcc	420
	tttcaatctg	tattaaaatg	ttgtgttttc	t			451

<210> 892  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<400> 892	tttttttaaa	aaaagtgttt	tcccccttat	tacagaactg	atacatatac	attattgaac	60
	attaaaaaat	acaaagaaga	catttttaaga	atgcaattac	caaacatttt	cccatccaaa	120
	gataatcact	tagttttttg	gtgtatcctt	ctccccgcca	cccaactctt	agtttgcaaa	180
	atttcaaacc	cacagcaaag	ccacattgat	agtacaatga	acatctgtcg	accagtcacc	240
	tagagtcacc	aagtgttgtc	attttactac	atttgacttg	tctctttctt	tctttatatt	300
	catatgtttt	atatttttcc	acttagtcac	tggaaattca	gtggcgagaca	ctgtggtaat	360
	taatatctaa	aaacttcagt	atgtttgcta	agaacagaat	gttct		405

<210> 893

<211>	182	
<212>	DNA	
<213>	Homo sapiens	
<400>	893	
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aaaatcaata	ctccttctct ttttcctggg ttccattggc atggaataac tctttccaac	120
tctttacttt	cagcctatgt gtgtctttat agtttaagtg tgtttcttgt aggcaacaga	180
tc		182
<210>	894	
<211>	481	
<212>	DNA	
<213>	Homo sapiens	
<400>	894	
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aatatgtgga	ggaaccacag caatggaatc aaacaatcag ttcaaactct ggctctgcc	120
tagtagctgt	tctctgtaaa ttggagttaa taaatcccta tgagaagtgg ctggtatata	180
acgggtgctc	aataaatggt agtactcttc ctcagagca tctcagagga taagagggtgg	240
acaactgcag	cctagattga aaacctgagt tatggagaaa gagttaaaat gacttaatac	300
tgtttatata	gggccataaa aacaccatct gctagctcta gctagttaaag ttattacaaa	360
gctgacatgc	actaatgctg cactgatagg aaaggaatgg ccaagggttt gctgtttcta	420
tcattattcg	acgagctgcc atgtcggggac cagtcgccag tttaacccat cacataacct	480
g		481
<210>	895	
<211>	335	
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<213>	Homo sapiens	
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tagtggtctat	gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc	180
agaaatacgg	catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta	240
aataacagca	agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac	300
tggtacgggt	aagaagcaga agatcgtaa ataca	335
<210>	896	
<211>	406	
<212>	DNA	
<213>	Homo sapiens	
<400>	896	
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ccattattca	gggctggtat taataaaaagt tagcttttat ctgcagggtt aggttaaggc	120
tggcattctt	acttttacat taaaaaaact ggctacaggc tgcgcactgg aggtacttca	180
gtcatgtgcc	ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt	240
gtatctaaat	agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga	300
aatgagtacc	aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga	360
gggacagacc	tctatgcaat agaagagggc tgggagaagg ggtgat	406
<210>	897	
<211>	265	
<212>	DNA	
<213>	Homo sapiens	
<400>	897	
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atctgtctct	ccaagtgtga ggctggggca gatctttatat acagagggta gtgaggcatg	120
atatgattgg	atcttgtaat gaggggattc aggaggttg atctgactgg atcacgccag	180
ggctcaatct	gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtccc	240
tgttcctcag	tctgagcact taggt	265

```
<210>      898
<211>      400
<212>      DNA
<213>      Homo sapiens
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[illegible]

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<210> 899
<211> 425
<212> DNA
<213> Homo sapiens
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<400>	899						
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aacctgctgg	agaccaccgg	ttacagaatt	ttctgggggtt	taaataccct	ctagagggttt		120
cccattggtt	actcggttta	cgccctatgt	aaatgaagta	gtgatccgtg	accagtctgg		180
ctggtcgtgg	gaggggacca	gtcataggta	cttttcattt	ttcatctgcc	aggcagaaaa		240
ggggcaggtt	gcaaagggag	tataacctct	gattcttttg	ttacttgggc	gaggaaagtt		300
gagattttcc	tttagattta	gttataggaa	gtcagtgtga	attggcttta	ggcagtgtga		360
actgcctctg	gaacttattc	tcctgcctca	caagcattta	tgaaatctgg	ccctagacaa		420
gatgt							425

```
<210> 900
<211> 530
<212> DNA
<213> Homo sapiens
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<400>	900								
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catcagaaaa	caaaagtgt	agtatcagta	aaggctctgag	atggttctact	tttgtagatt				120
caattcagtg	tatttaaggt	taacaaaggc	tgacattgaa	atgtttaaag	ataggcaaaa				180
attcacatta	aaaaaaacc	tatatctcta	tttagagtaa	cagtaggcag	tatgattcca				240
aaagttaaaa	attatttcac	aacctgtagc	ttcagcttgg	caaacagctt	agattccaaa				300
actgattcat	ctctattaaa	atgtaagcac	ttaaaaaaag	agcatgtctg	tgtatataga				360
catatatatt	aaaggaatca	gataatcttt	gaagcagcct	tagtgtttcc	tttaaatttg				420
tctggaaatg	accattgtat	tagcttcaca	gaaaggacta	gccagcttct	tcgtctaagg				480
ctaacatggt	gatcatttgt	ctaaggctag	aaaqgtacca	acaaqatgta					530

```
<210> 901
<211> 116
<212> DNA
<213> Homo sapiens
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<400> 901  
tgaggccaca catgtttatt aggccggtcc tgacacctgc ctgcggggaa ggaccaccga 60  
gaccagatcc tgggtgccat ggggtgcagg gacagaccgg tgcattggcag cggctg 116

```
<210> 902
<211> 485
<212> DNA
<213> Homo sapiens
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<400>	902								
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tatacaagat	gctttcttta	agagagcaag	attcaaaatt	gttttggtgt	tcaaaattta				120
aaaataaatt	tatctcctaa	attttctaaa	gacatgttct	atatatttga	ccatccctta				180
ttttggcaaa	qgatttttaag	agtctaaactc	aaacatatgt	aaqctctggt	gtacctgggt				240



atatataacca aaaaaaacat ttgatctata tacacataga catgaatata tttctgtgtg 300  
 tgtttgtgca tatataacct caaacactat tattaaatgc aatcctatat tcttaggtat 360  
 agaagttgat gatatacctt tctacttgcc atggcattaa caaagcaagg ctgagactca 420  
 gcaaccactt gtgttcattg cattgcaggc tagtagtaag tttggttgct ggtaggaaaa 480  
 gggtc 485

<210> 903  
 <211> 488  
 <212> DNA  
 <213> Homo sapiens

<400> 903  
 acatggctat ttcatttatt tagtagtttt gaaatgtag caaatataag gtatttgtaa 60  
 agcatctttc attataaaga gattagtaat attcaccaat catgccaatg agattataca 120  
 ctctgccaaa gactactaga aaaatttgat cattattaaa ttcaatgtta tttgacagtg 180  
 tgaactctat gtaacagcac aaattctgga ctttgaatct ggctgctgtc ctcacctgaa 240  
 ccattaaaaat gaccttgta acaaggaagg aatcaatggg gatatatcac aaccagagat 300  
 tggctgtgtg tccaagggtg ctttgtcttg ttgccaggat cagactgtga aatcacagag 360  
 gcaagctgat gtcacagag gtgactctgc ctatttcaag tctataatc accccatggg 420  
 attcaacagc agtaggaaaa catcacattc tcttaatgga caccocatat ttgtagaac 480  
 agttatga 488

<210> 904  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 904  
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 cctttgtcct cttccttttc cctcctgcca agtgtcctat tctcaaaagg tctaaatcac 120  
 tgcttccag cttggtgggc aacctgctgg gggccccaag tgaggtgggg aggggctccc 180  
 tagctatttc ccagtgcact ctatcacatc atcgtcttta tctcatcat cattggagct 240  
 gaaccaacc tcggcaacct catgagagtc aaatggaggc acctgggacc gtaggaggcc 300  
 accagctggg tagcctgcat gtggggacat gtgcctgga tagatagaca tgcc 354

<210> 905  
 <211> 407  
 <212> DNA  
 <213> Homo sapiens

<400> 905  
 tttatgtaat tgctgttta tttagtggca ccagttttcc aaactagaaa ttatttctac 60  
 ttttcatcta acatacaatc tgcaaccatt cgcaggctga atgcaatttt tcaatgaact 120  
 tgaaaacaaa cagtacattc ttaaagttag aactgaattc acatattttc tttggaccag 180  
 gaaataatac ataatacaaa atatacattt atggaatttc tttaaaagtg tggatcacat 240  
 aaactgcaaa gtgggtgagt tgctacggag aattttgtta cacattgtat ttaagaaaaa 300  
 tatttctgca attatattat tcttaacatt tatagagttt aaaaaatgaa tatataatgc 360  
 aacatgcttt taacatgtac atgtctctcc actcataaca tttatac 407

<210> 906  
 <211> 189  
 <212> DNA  
 <213> Homo sapiens

<400> 906  
 tttatattca taattttatt cgtttggttg gaaatttaag gcatatagaa gttaaaacca 60  
 cagccaagcc tcaggagatg cacatgttca aagatttcag agtgacagaga gtcatttcat 120  
 tttttacgaa gcacgtgctc tgcttccgga cggcgctaag tcggctgtgt gcccgggcgc 180  
 ccgcagttg 189

<210> 907  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<400> 907  
 tttttttacat tttattagaa tcttttttatt tttttctgca gaaaacattt gagatgctca 60  
 tttgatataa acatctaatt ccaagagaga ccagtgtctca aatatagttt tttcagctac 120  
 catttgatac ggccataaat ttggatgggc catgtttacaa tccttccaca attctccact 180  
 taaagacatc attttttctat gtttttaatg actattgcca tctaacaatt ctacaattcg 240  
 cctcttttggc tgtaaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300  
 atttatctct gcttaagatt gcaaaagttt ttgattttat tattcacctg aacaatgtat 360  
 tgcaattcca atacaccccc atctcttgct gttatctaca gcttgtgaca aaatgaacac 420  
 cttgtagaaa tatcctactg gttgggtttc ccaagtctat gacaccaaga gagaagcatt 480  
 gctgatggat tgacgaggag accaccagat cat 513

<210> 908  
 <211> 441  
 <212> DNA  
 <213> Homo sapiens

<400> 908  
 ttttacattt cttctgtctt tattgtattg cttcaattgg caaatcatgc ttgtattcat 60  
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 agaccaattc cacgtgaggt cccagaagtg ttgatctaaa caagttgacc ccatagaagt 180  
 agcaagtaga tcgatgggtga ccaggggtca gagagtggca gaattacgga atgggagggg 240  
 gggtgtcagt taaaggacca aagtctcaag gaggaggaag aggttttgac atgtagtga 300  
 cagcagagtg accagagtca atgagaatgt gttgcatttt gcaaaacacc tgagagagtc 360  
 catgtcaaat gtctctctgc atttagattg gagaggacga aggccctgag gtccaagaac 420  
 attgaaacct gacagtggat g 441

<210> 909  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens

<400> 909  
 aattaagaaa tcagatttaa tcataaactt gtgaaaggaa caaattcaat ttttaataac 60  
 ttttatatca atggaagaag cattttcaat tggcaaaact agaggtttct ccctaatttt 120  
 ctgtctgaat ttttataaat aaaatgcatt atttagctga aatttttaaaa atattttttt 180  
 cactagacgt tagagcaatc ttagatttta aataaattgt taagtatcat gaacatgtta 240  
 ttttaagattt aaaataaagc taagatttgc tttacattgt ggcaaatata tacatttttag 300  
 aaaacaaact ttgtatttag tcaacataat ttttaaaata actagggtgt ggatacacat 360  
 aattttctgc agtaattgac gacagatgaa actacatt 398

<210> 910  
 <211> 389  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 910  
 aaaactgagg gaactcatgc tttaatagac actgaaaatc acaaaggrgg aaggccaagt 60  
 gccttagcaa tctcaataaa aatattgavgt tcttttttaca tggtaaattt cataatataa 120  
 mangtttaat gtctggvaat ggtgtaattt acaaaamaag tccacgtagg ccaaagatgg 180  
 ctaannctgc atataaggva cgtgaatscc agtggaaagg tgtctgagga ggggcagggc 240  
 cacaggtgtc ctgacaggga acatctttga aggatctggm acaaacaagg gccagttca 300  
 caaaccacag gtacactcat tttagatagg mcagcagaat aggtgatgaa attatacagt 360  
 ttycacttgt tgctactta ctgaagcaa 389

<210> 911  
 <211> 231  
 <212> DNA  
 <213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

<400> 911
taatttttcca caaagagctc cagaaggcaa atagttttatc acttccccac tctgaaatag      60
cacgcaagac agatgatgca ggggaatggg tgtccactct tnettgtnet cagagctcct      120
gcagcaggcc tgantgaccc gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag      180
gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgtc t                231

<210> 912
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 912
tttttttttt ttnttttttt caccagtnnt tctctgttta ttcttctcaa ctacaccatg      60
ntgctttgca gnttggtttt acaaacatnt cccacaatt aggatgcatg atgaccaagg      120
gaggaaagaa aattttcaca gggatatttaa aaagtctcag ggaacaaaca gntcagtgnc      180
aaatcagtaa ggctaacacc tgaaaatgac tctgcacagg tgaggaagtg gagcagaaga      240
gggaggggct ggttcaggga acaggattta atatgtcagt gaagaccctg cctctctctg      300
taacaagatg cctaaagaag antagtgggtg cttccagccc agctccctct tnttttggga      360
acaacagtca tttctcagaa acctcacttn caaaggcagc ccttncaaaa acatgagagn      420
tttagtttgg agaaattttt taagctcact tttgctggag aggaatgant ttaaactngg      480
gcacacagng agcancaaan agttttnaag agccacct                        518

<210> 913
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 913
tttttttttt ttaaaaataa agcctcttta ttggntacct gtaagctcag gtacaagggtg      60
ttcccacaag gcacacaggc tggcaaggcc tacctgggnc aaggggcagg cccagagcct      120
ngnntttctt gggcacagac acagagagna aatggaataa attatagttc tgacactcag      180
ggacaatgta gaaattatga tgcaaaatta aacattaggc aaacaaaggg tataaaaacc      240
ctcaggagcc acccctcgcc aactggcctc agggcatggg caggtnggcc acgatgaagt      300
gcagtgccca gaaagccctg agataatagt ctggggcatg gttcncgccc cgaggtaggc      360
cctttgccct ctctgggctt cctgtttcct ccttccccct nctacatccc tgggcctaga      420
ataaagg                                           427

<210> 914
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 914
ctttaattaa aggctaatac ttagcacttc attagnaggt ggagagatta aaaactaact      60
tccttgccga atagcctggg tttggaaaag catgtttttg aaatatgtgg gatctccact      120
ctggggccct ctgcagtcct gtctgggtct tcacacctaa gtcaaagcaa gagctatttt      180
tgcgtagtaa tttccttagc caagactaca agaggccaaa tgccagggtt catctcagct      240
tcctgtgcat tcacatggaa ggtcgtcttt gaatctgcac gtccagctcg ccatacacat      300

```



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aggatatgtgt cactacaact gactaatTTT taattTTTTT atagagacac aggatctcac 180
tatattaccc aggetggtct tgaactcctg agctcaagcg gccacccac ctgagcctcc 240
ctaagtgttg ggattacagg catgagccac ggtgcctggc tatcacgcaa ttcttaagtg 300
cttattccag tagcagaaga gattagaaag gctggctTTT tccaacagtg ggagcttgaa 360
tctggaaaagt cttaaagttg ttgtaatttc acactactaa gaagcacttt gctcatgcaa 420
ctgaaaaaaaa aattaagtgC ctaccg 446

```

```

<210> 919
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<400> 919
gctttccaaa gacaacaatt ttcaccatta ctcaaaattc tgtaccaaT gcaactgatt 60
aaaactggat attcctgaag cctaccacct gtTcactaat gtccacaggc agccccaatc 120
cacctcagtc aaacgtcaca cccaaacatt cagctTTTct cagaccaaT taaatgttta 180
cagaaaaaaaa aaagacccaa acgctaaaga tattTTTtaa atattTaaac aacacaataa 240
agtaaaaaaca acctcagacc cctcagacta gacattccca ctgaaaattc tttgtgggtcc 300
ctgaatttga ttttctatgc aaaggcattg atttccaaag aagtgtgata aaaatgtggT 360
ttgggcattc tcaaaaaactc ccagaaagtt ccctcttctg gctggcgact tTcactgaaa 420
tggaatatcc tTcatggaga acgaatt 447

```

```

<210> 920
<211> 267
<212> DNA
<213> Homo sapiens

```

```

<400> 920
tttttttttt tttttTTtaa agtccatcaa agttttattt ctaagaaata aacttgcata 60
taacccaaac gtaacaactc tggTattaca tcaatacagc tataacatta atgcagcaat 120
tatataacac aaaagtgcta taatgacatg ggaaatgttc atgaactgtg aggtgaaaag 180
atacagaaaa tgactatgcc tactgatact acctttgaaa aaggatccat aaaaaataca 240
ttgaatataa gttggctaaa gaaaata 267

```

```

<210> 921
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<400> 921
caacttataa gtaattttatt atgatattat agacaaatgc aaaattactg atatataggg 60
aggTtcattg cacagaaatt tggTgctaac ataaatatct atgagtgaga aatgcttaaa 120
acattttaatt atattttatc tacaaaacat tcatgtgtc attcaacaaa tgacacagat 180
gtgtatgtac tactgaaaaa gaaaaaggcc attgaataag ggctgttaaa tgaaagaggT 240
aatttgCaga aaaatgtgtt acaatatggc cacacacgtg gatccttccc cataatggct 300
tgtgtgtttg tgtgcatcta tccactaaaa gaatgcatgt agttcactta atagaggaaa 360
actatagggg cagaattgga agagaggagg gcatttaatt tataTattat tTaaat 416

```

```

<210> 922
<211> 228
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 922
ccatttgcat ctgaaccttc actaggtcag ttggattggc taaaaactgg ccaataacac 60
cagccatcat cctccaatg actgatttcc aaaggggata atgctcatct tcaTttttgc 120
caaacacaac ctctcgga tgTtcatatc gtgaccattc gacctccaga atacactggg 180
taaaaaagat cattaaaaag gtaactttgg ctatatgtat onatatgc 228

```

```

<210> 923

```

```

<211> 466
<212> DNA
<213> Homo sapiens

<400> 923
taaaagccaa aataataatt ttatataaca taaatacaga ctaaagcaag cgtaaagtgt 60
atgtgtttta aagtctatga aaacatacat atttttaaag cagtcaactc attgaaagat 120
actaatatth aaagtagaaa gttgtgttgt ctgctgaaca tgagactctg aggtatttgt 180
gagagagaaa ttgtcaggaa agcagtagaa catttcctgc ccatgggtgc agtcttgagt 240
atthtgaata gccatgacga atccaaaaac catcaccaca gcaccaatgg gaagcatgac 300
acaagacata atcttatcgg agtgtgtcct tggttcttca gacagtttca gataacaggg 360
tgatggaatg ataaaaatga ggggagttgc acagagcaca ccattgagtt ctagaactat 420
cccgaaggcaa tcaatcacga atgacaccaq cgtgggctac agtgat 466

```

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<210> 924
<211> 431
<212> DNA
<213> Homo sapiens

<400> 924
cagcagccgg agcagatttg tatttagtgt ttctgagccg agcagacctc ctgtgaattt 60
cctgcttact ctgttacaca aacaaattaa agaacaaaaa gagaaagaag taaaaagtgc 120
ataaagggttg cagtacaatc atcttacaaag gatcccagag tatgtacttt ataagagcat 180
ttaacaatta agattgccct tttgcttttc aagagaagta attacagcaa ctaggctaag 240
taaaaccgga agttcagcac ccggaatctc ggagctcgct ggacaggcgt ctccagagcc 300
tccaaaagggt gtgagctgct tgtaataggg caggaggcgg gagtaggagt cagtcttgac 360
caagacaaac actattcatt tggttgtgtc tacaatagag aaaaacactt aacaacttta 420
ctccctaagg c 431
```

```

<210> 926
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 926
aactactaca tttaatatgcc ttctttctcta acacagtaat ttttatttaa aaaggagact 60
aaacagaagt caggggtagg tggtttctcca tgactgcaaa taataataat aatgatgatt 120
tttttttaatg tacagctctc acacaaatth cattttgtga acacactggg aagtacacga 180
tgctgggggct tccaaaatgt ggcgtatccc actgatggct ccaacttgcg agtgggctca 240
gttatgaaaa actcgggaga qgacgggttg tcgctgctcg aqccgttttc tcggaagccg 300

```



gggagggggg tcgtag

316

<210> 931  
<211> 324  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 931  
taaatgtaca tttactataa aagctgttgc attttagaaa acttgttggt tttatttttt 60  
actgtttctc agaggcattt tagaataaat actttaaatg aaagttagta taaccgatat 120  
agaacactgg cccaccaga gcagtaacat cttttggacg gactcacata tgaggtggga 180  
tcatttcagt ttgttaaadc ttacactgcg tataggataa ctataatatg tattgcatta 240  
atcacactac atgggaaggg naatgtcagg ggaggttcgc ctaggtggaa aaaacaaaaa 300  
ggttacccca tttattttta ttaa 324

<210> 932  
<211> 377  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 932  
tcaagatggc atctttaatc acattggcca aggccttagg ttccctctgt tcaggcccac 60  
ttagccacac accaccctg gccatatcca gaacacttct accaggtggg ccctgectgt 120  
tgccactga tgtgggaacc tgaggtcaca tcagtctgtg gactcctggg ttaggtgacc 180  
ctntgcctt gaggtctgct ggacacctgg ggcattggat ccagtagtcc tgagctcact 240  
cttttggcca tctccagctg ntcctagggg gacatggctc aggcccgntc ctgggggcag 300  
ggggttgccg gtggcatgag gtggggttgg gggaggagga cgtntctcca catttgccgc 360  
tggctttcct cctgggg 377

<210> 933  
<211> 330  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 933  
tttttttttt acggtagcaa aggaaganct ttattcagga ggcgggggct ctgggctggc 60  
antnggnat gcaggagac cctggnactg aggcacccag caggatggca ttgatgtgct 120  
ccagggtcag gttgctgaag accatgttga gatgctgtat ccctgacagg gcagcagggtg 180  
cacaggctgt ggctggcggc cctgccacan gccacagagc tcggtgctgc gggctgccac 240  
cgtgtcatca ccacctcat agagcacacc cacagggtcc gtgtagggga agccgtggtc 300  
gtagatgtag gtncggggcg tgggcaggcc 330

<210> 934  
<211> 383  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 934  
tttttttttt ggcaggcatg gttcaggctt tactgggcat cacacggagc tggggtaggg 60  
accagcaaaa gggagcaggg catacagatg gtctttgagg acagtgctag ggagctcaga 120  
gatcagtctg gcttctcaaa gaagagaaaa gcaactgacag gaaaagcagt cagggtggcg 180  
ttagtgcagg gaaaggggag acgttaggag ggggactttg atgggagggg cagtggggga 240





<210> 939  
 <211> 375  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 939  
 agcattgtct tatttatttaa cataattgaa acatttttgca taaaactctt gcccatgact 60  
 attctagcaa caaaattgta ctcaaaatat ttcactgtga aatgggtattg caacttgaat 120  
 atcatttttt attaatgaat tgattttccat aaagcaaatac ttactcttaa aatggcagat 180  
 tatgtgatca aaaagcgatt caaaaaagct tccccctcct catgcccaacc ctcaagacca 240  
 tgtggatcca gctgaatcct cagccctggg nctagactan ggttgagggg aagagccgtt 300  
 aactcattcc taaccagaca ggctaattngg gcactccaac tcacacttca aggggccnca 360  
 tggacagtcg ggtgt 375

<210> 940  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 940  
 ccncaaggat gagtttattt cacatgtcac ccagcatgca actgaacaca tcacagaaac 60  
 caaatactta cttaaattagt gtgcattgct ttacaaggaa aagtcaataa aatggcatag 120  
 tgaatatatc attggncttg aagncagtggt tcacttgaaa atgggnacaa taatcatgnc 180  
 aatacncctc agntaatcat attctgaaaa ttaaatacat tgtattacaa tg 232

<210> 941  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 941  
 ttttttctca gtttctcctt tattgctccc gtacgaaccc ctccccctccc ccttgtaaac 60  
 acagtgtctgc gagatcgntg gcagagaagg cttcctccag cggctgggtg gtgaaggacc 120  
 ctggctcttc tctcggggcg acccctcagt gctcggcagt catactgggg tgcgagagag 180  
 gtgggcagca gntcagcctc cccccgntgg gatgcgaaaag tttnttggtg tcagcttcat 240  
 ttccgtgaag ggcaccnnga actcgaagcc cttccag 277

<210> 942  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 942  
 cagagncnag tttattgcac tgactcaaag cacaactaaa aattaaaacc agaaagaaaa 60  
 ctgtacaaag cacgaagcta caactttaaa agcatcacct agacgcgggt ttaattgcac 120  
 tacagnccat ggggtgaggag agctttncat ccgtgagcgc cgggcaagga caacagacac 180  
 agagagatgc agcccgctg ggntcatctg ctgcaccaac ttttacaaaa ggttctagaa 240  
 aagggaagtn tnaagtcaga tctgggattt cggcatcttg acctcatttg gacatggaaa 300  
 acctccacct atgtggctgg ctgggtcctg tcagagaaca tattttatca cctccacct 360  
 gcggcctggg ggntccctga caccaaggac tnggcctggg caggg 405

<210> 943  
 <211> 471  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 943  
 tttttcgttt ccatacagtt ttatttgcaa tttgttggaa ccatggagaa caatcggcag 60  
 atacacatgt tgcttctggg aacagcattc aactccagat gctttttctg ctaaggagca 120  
 gggccacagg tnncaancna cccagtgtctg tgctgcgcgg agggctgtac tgaaggttct 180  
 gaaggcctgg ngagtcccc tcacggccag aaggagagac ccggcttcgg cttcatggcc 240  
 ggctccccgc agtntctgcc cagctcctct gcatcccagc gcccttgctg ggaggctagc 300  
 caagaggtgg gtcaacaata cgtgggatag aaggggagtg ggagacacan tttcaccagc 360  
 agcttggcat ccaggggagc agggaaagaa gttntttggg tcacaatttg ggaatcattt 420  
 cacctttcaa gaaattaagg acagggcaca gcgttaaggg gggtnnttttn c 471

<210> 944  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 944  
 agagctctag cacatttatt cgggagagta agcctgggaa agactaaggg agtgggtggca 60  
 gggagaaagg ctgtggggaa tcagagcggg tgctcagttg ggtcttgaag ganannnnnn 120  
 ngnnngtggtg aggtggggttn ccgaggatat cttggttgaa gacttggggg tcaagacaaa 180  
 gggacttagg gggatggggg ctggttagag ttggggaggg ggcctaggac atccgtgcag 240  
 agtctgggga ggttgggggt ggagagtctg tacaagtttg gtgttgggtg ttctagttgg 300  
 cctggtgtcc aagagttggg gcagtccgaa aaagggttcc agagtctggt gtggctggct 360  
 ggggtttcac ggcanaaaat gggctggaag gggcagttgt aaactgtctg gttgcaagg 420  
 aaag 424

<210> 945  
 <211> 574  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 945  
 ttaaaaagta gactatatat atatatatct tcatatatgc ctattttacat ataaatagat 60  
 atatatacat atacacgcat ctataaatta cattctatgg agagttctct ttcttcctcc 120  
 tatctttggc cagggcctct gnttctcctg agaggtggct ggtggtggct cctgtgaggg 180  
 aggaaaggca gctgggtgcc ccctccccca gcccttccca ctgatatctg ctgcgagttt 240  
 tacattctac tttcgttgcc atggtttctg tatecttagga gagaggcgat gcgganctcc 300  
 gccagccctg cgagggaggg aagcagcccc atggcaggtt ttctgtctgt cctaagagct 360  
 ttctgcattt actgggtgag agagagggca gctgtgcagc gttcggcctc caattccatt 420  
 ttaattttgt ttctttgttt gtctttcctc aaatatacag tccatcacct tggctccagt 480  
 gcatgtcacc aaaaattctc cagggatttc atagtttggg cctcggtggt gtggctngcc 540  
 aggatatcca tgcaggangc tgcactctga nagg 574

<210> 946  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

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<400> 946
ttgacgttgg cagtgcacatt tatttttctn nggggagggg agttatatac agcagtgcac 60
cggagcccct cacccccacc aggccttaggt ggggacagga ggcgttggca gaaggcacac 120
agtggcagta gccagaagag gccaggaagt aaggggtgggt atgtgatgtg tcctgggaga 180
cccagatgag gaaattgagg ctcaagtagg gcctcaggtc acacagtaag gtgcgaagga 240
gctagtcccc agagcttgtg gtggttgctt ctctcttgcc tgggctacag gaggacgcag 300
gggcagcccc cgcccttctt cctgggggca ctgggagggc tcggtgggag ctcttgttcc 360
tggtatttcc ggacagcccc caccagctgc ttcaaaagcc tcgtccacgt tgagacgcat 420
tttgccga 429
```

```
<210> 947
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c
```

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<400> 947
ggtacaaaag gtgtctttat tgaggtctgg gttaaaatta ggcacttggc cagagcagca 60
gcttaaatat gaggcaagca gtcaggggtt agccatgcct gggmntgggt tggggtcagt 120
aggctacagg cacagactgt cccaggtgg acagaagtn ggagcaggan nnnnnngnnng 180
nnngggccgc anancagcct gggtcagagg cctggtgggc nagcccagtg ggactaggca 240
ggaagctctg gtggcaggtc cagcagngag gggaccagga tctcttgctc cacgtgcccc 300
ttagaccag gcctgagcct ctggnagnng gcagccgcac ttggcagggc ggtcttccca 360
agcctcactt ncttcacctt ngcatcgtag gtgccttgca ttcttgtagg cgctcacgta 420
gccactgtcg tccaggatgt cctgccgtcc cgcaatgccc ttgcct 467
```

```
<210> 948
<211> 852
<212> DNA
<213> Homo sapiens
```

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<400> 948
cttgacgtg cccacctcac cctcagctct ggctctttac tcacctcta ccacagacat 60
ggctcagtca ctggctctga gcctccttat cctggttctg gcctttggca tccccaggac 120
ccaaggcagt gatggagggg ctcaaggactg ttgcctcaag tacagccaaa ggaagattcc 180
cgccaagggt gtccgcagct accggaagca ggaaccaagc ttaggctgct ccatcccagc 240
tatcctgttc ttgccccgca agcgtctca ggcagagcta tgtgcagacc caaaggagct 300
ctgggtgcag cagctgatgc agcatctgga caagacacca tccccacaga aaccagccca 360
gggctgcagg aaggacaggg gggcctcaa gactggcaag aaaggaaagg gctccaaagg 420
ctgcaagagg actgagcggc cacagacccc taaagggcca tagcccagtg agcagcctgg 480
agccctggag accccaccag cctcaccaac gcttgaagcc tgaacccaag atgcaagaag 540
gaggctatgc tcagggggccc tggagcagcc accccatgct ggctttgcca cactctttct 600
cctgctttaa ccaccccatc tgcattccca gctctaccct gcatggctga gctgcccaca 660
gcaggccagg tccagagaga ccgaggagg agagtctccc agggagcatg agaggaggca 720
gcaggactgt ccccttgaag gagaatcatc aggaccctgg acctgatacg gctccccagt 780
acaccccacc tcttccttgt aaatatgatt tatacctaac tgaataaaaa gctgttctgt 840
cttcccaccc gc 852
```

```
<210> 949
<211> 1364
<212> DNA
<213> Homo sapiens
```

```
<400> 949
aggggactgg ggccaagagc cgggagcgcg ggcgcaaagg caccagggcc cgcccagggc 60
cccgcgcagc acggccttgg gggttctgcg ggccttcggg tgcgcgtctc gcctctagcc 120
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atgggggtccg	cagcgttgga	gatcctgggc	ctgggtgctgt	gcctgggtggg	ctggggggggt	180
ctgatacctgg	cgtgcgggct	gcccattgtgg	caggtgaccg	ccttcctgga	ccacaacatc	240
gtgacggcgc	agaccacctg	gaagggcctg	tggatgtcgt	gcgtgggtgca	gagcaccggg	300
cacatgcagt	gcaaagtgtg	cgactcgggtg	ctggctctga	gcaccgaggt	gcaggcggcg	360
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 ccctgcccag ctacagttcc accctcagc ttgaggacca atactgaggt ctatgccagt 2460  
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 aggcggctat acccttaagc ca 2542

<210> 962  
 <211> 450

<212> DNA  
 <213> Homo sapiens

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 gacccctggc gagtccgagc tgctctctcc catgatggca tcttaaacct ggaagcacct 180  
 cggggtggcc gacatttgga cacagaggtc aatgaggtct acatctccct gctccctgcg 240  
 cctcctgatc cagaggaaga ggaggaggca gccatagttg agccctgatt gccacagacc 300  
 cagcaccag caaatccctc tctacctccc aaggtgatat ggccagctgc ccaccactcc 360  
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 <212> DNA  
 <213> Homo sapiens

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 atatagttta ttatacatga tacttgggta gctcaacatt ctttaataaac agcctttgta 1380  
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<210> 964  
 <211> 2330  
 <212> DNA  
 <213> Homo sapiens

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gcatgacta cggggtgctt gggagcactg ccaatgagac agagaagaaa tcatccaggc 480
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<210> 965
<211> 1358
<212> DNA
<213> Homo sapiens

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gcctcctccc gctgggttcc gtctctcctt ccgcttcttt gtctttctct gccgctgtcg 720
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<210> 968
<211> 1443
<212> DNA
<213> Homo sapiens

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aaa 1443

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<210> 969  
 <211> 1551  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

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gaaacttttc ttcacatatg taacagtgcc ggagtttttc tgcttctctg tgtttgttca    180
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<210> 970  
 <211> 853  
 <212> DNA  
 <213> Homo sapiens

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cgggccctcc cacaacagct ccagctggca gcatcacttc ccgccaattt atccaacttc    180
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 <212> DNA  
 <213> Homo sapiens

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<210> 973
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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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tagc                                         2224

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<210> 980
<211> 3573
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 980
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 <211> 1130  
 <212> DNA  
 <213> Homo sapiens

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<210> 982  
 <211> 1457  
 <212> DNA  
 <213> Homo sapiens

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 <211> 1296  
 <212> DNA  
 <213> Homo sapiens

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<210> 984  
 <211> 838  
 <212> DNA  
 <213> Homo sapiens

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<211> 4037
<212> DNA
<213> Homo sapiens
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<212> DNA
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 <212> DNA  
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```

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<210> 999
<211> 1443
<212> DNA
<213> Homo sapiens

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<400> 999
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cccgaccccc tcatcgacc tggaatcccc cgcatgctc gccagatcaa caccctcaac 480
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gccacagttt atgaagttat ttattaaaga caaatcttca tgcagactgg acttctctc 1380
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gga 1443

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```

<210> 1000
<211> 1309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

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<400> 1000
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caaggagacc cacggttggg gctcaaatac cagagaagat ccaaaaggcc ttcgatgata    180
tgccaaata cttctetaag gaagagtggg aaaagatgaa agcctcggag aaaatcttct    240
atgtgtatat gaagagaaaag tatgaggcta tgactaaact aggtttcaag gccaccctcc    300
cacctttcat gtgtaataaa cgggccgaag acttccaggg gaatgatttg gataatgacc    360
ctaaccgtgg gaatcagggt gaacgtcctc agatgacttt cggcaggctc cagggaatct    420
ccccgaagat catgcccag aagccagcag aggaaggaaa tgattcggag gaagtgccag    480
aagcatctgg ccacaaaaat gatgggaaaag agctgtgccc cccgggaaaa ccaactacct    540
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cacgacacaa accacaccac acacacacac acacacacac acacacacac acacacacca   1140
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ccctcactct gtttcctggg cagcatgtac tccccctatc cgattccccct gtagcagtca   1260
ctgcacagtt aataaacctt tgcaaacggt aaaaaaaaaa aaaaaaaaaa   1309

```

```

<210> 1001
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1001
agagaagacc gtggatcacc tggggacaga ggtgaaaggc ctgctgggct gctggaggag    60
ctggcctgga acctgcccc gggacccttc agccccgctc ccgaccttct cggagatggc    120
ttctgagccc tggagctgga gccagcaggt tggaggtggg gcacctgcca ggcagcgcca    180
cagaaccagc cctgtcctct cgacttcctt ccttagcttc atgtgaaata aaagctattc    240
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cttccatgcc tggaggaagc ctgcaacccc ctccaggctc agacctgggg acacccccan    360
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gaattggcct gcttctcaga atgttgccca taggtnaaaa gcaaggggat cgggggttcag    480
gaccancaga atgtttagt aatctgnatg aatgagaccc caggatttat gtgtccatta    540
agtggttggt gtgntttaaa aaaaaaa   567

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```

<210> 1002
<211> 299
<212> DNA
<213> Homo sapiens

```

```

<400> 1002
ccgacatgaa ggtgtcagct gtgatgcatg tttaaaagga aattttcgag gtcgcagata    60
taagtgttta atttgctacg attacgatct ttgtgcatct tgttatgaaa gtggtgcaca    120
acaacaaggc atacaactga ccaccaatg cagtgcataat taacaagggt agattttgat    180
ttatactatg gtggggaagc tttctctgta gagcagccac agtctttttac ttgtccctat    240
tgtggaaaat gggctatcga gacatctctc agacctgtta cttctaaaca tgcagaaca    299

```

```

<210> 1003
<211> 269
<212> DNA
<213> Homo sapiens

<400> 1003
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ggggaatgtc cagcatcaac ccctatggca tgcattccag tggccttctc atctgggcct    120
ggaacctttg ttcagggcct aggggagaaac aggccacatg gcaacagcca cacagtcatt    180
gccttcacac agagccacgt gtcccaaaca gcatagtcac gccttgtagc ctggatctaa    240
ttgtcatagt cgtgctcctc ctgtagact                                     269

<210> 1004
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1004
gttcagtgc cctacgtatc tgctcatttt gacaaagtgc ctcattgcaac cgggcctctc    60
ctctgcggca gagtccttag tggaggggtt tacctggaac attagtagtt accacagaat    120
acggaagagc aggtgactgt gctgtgcagc tctctaaatg ggagttctca ggtaggaggc    180
aacaccttca gaaagagctc aaaataaatt ggaaatgtga atcgagctg tgggtgtgac    240
caccgcctgt gtagagtccc agg                                     263

<210> 1005
<211> 306
<212> DNA
<213> Homo sapiens

<400> 1005
ataaacccca aggcagccat gtcattagact agtggtttact cttgttttga ctttgtttta    60
atgcttccta agacccaagt gcctcctgct gtttcctcct ttgtggtagc ctctggccat    120
ctggacctca atgccagct ttccacttt cagcagtcct ttgtctctct tgcctctacc    180
tcaaataagc ccaggagtgg gctttagtct ccaatatgga gcatctcaag cttctcctgg    240
ggatgggatt ggatggcaga tctgtttgga ctccgggtatt ccagtgggta agcagactgg    300
acttcc                                     306

<210> 1006
<211> 423
<212> DNA
<213> Homo sapiens

<400> 1006
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tcctgtgtac ccttgtcaat ccatggagct ggttactgtt aactagcagg ccacaggaag    120
caaagccttg gtgcctgtga gtcattctcc caggatgggtg actaagtagc ttagctagtg    180
atcagctcat cctttaccat aaaagtcac attgctgttt agcttgactg ttttcctcaa    240
gaacatcgat ctgaaggatt cataaggagc ttatctgaac agatttatct aagaaaaaaa    300
aaaaacgaca taaaataagt gaaacaacta ggaccaaatt acagataaac tagttagctt    360
cacagcctct atggctacat ggttcttctg gccgatggta tgacacctaa gttagaacac    420
agc                                     423

<210> 1007
<211> 103
<212> DNA
<213> Homo sapiens

<400> 1007
cagctcacgc gggacctggc cggcctcccg agtctcttca agcagctgcc cagcccgccc    60
ttctgcccgc ccgccgggac agcagactgc cggtaacgcg cgg                                     103

<210> 1008
<211> 288
<212> DNA
<213> Homo sapiens

<400> 1008
gtttcaagaa cacatgaaat tcttttaaca ccagattagt gtgttaccac aaatgaacgg    60

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ttctagccct ctattaagaa ataaagggac cataagcatt ttggctgctt atggctgtgt 120
gttactactt acaagagtct tgaaaattat acagaacttt gccttctttt tttaatgtct 180
tccacaatgt tgtgactgat tataaccctg tttccctca gagaagagct atggctcagg 240
gatctgtgtt gactctggca tttagtggct ttgtgaagga aagaaacc 288
    
```

```

<210> 1009
<211> 182
<212> DNA
<213> Homo sapiens
    
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```

<400> 1009
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ggagcacacg acttccttgg agcctggggc tttgcgggtc ccaggtggtc aggcagctgg 180
ag 182
    
```

```

<210> 1010
<211> 320
<212> DNA
<213> Homo sapiens
    
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<400> 1010
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ctaaagatcc aaactttctg tctggtaata gaaagtaaaa atctagacat catttacatt 180
tgagaaagct gtttttaaca ttattttaaa atgccaataa tgttctttct agaaaaatat 240
ttatttttgt ttttgttggg tagcttttaa ttacatttca gagaggtgta attttgggg 300
agatgctcat tacatttttg 320
    
```

```

<210> 1011
<211> 421
<212> DNA
<213> Homo sapiens
    
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```

<400> 1011
tcgacctcct gaatcatgtg gttctgcaaa tgaatacctt caactaggat ttagaccact 60
aagaacttgc acagaaaaac acgcattgaa tgtgtgtcga acctctacat tgtgaagttg 120
cactatgtac catactctaa aatgaaataa gaactcttta tgtctgtgag agagtgtgtg 180
tgtgtgtgtg cgtgcgtgtg tgcttgtggg ggttgggtag tgtgtgtgta ttttctctgg 240
ctttaaattt ttaaaacaaa caaacaacaaa agccatagag agcagaactt gccgagggtc 300
atattattgcc caagtttaca agagtagcga tacaagtttt tgcaaattga atttgccctca 360
gatatatctg tcctaattgct tatatttgca caagtatgta aaatatcgtg ttgaggatca 420
t 421
    
```

```

<210> 1012
<211> 463
<212> DNA
<213> Homo sapiens
    
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```

<400> 1012
ctctcaaact tgtttttcgaa tctcctggga gtgagggaga aacagggagc tgaatcctcc 60
cccaagctgt tccaggccag aggactctgc agtaccttct cctacatcta gtaacaaaga 120
atgggtgataa ccatgcactg gttcaagggt ctggagttct ccatgaaact tgggttaatt 180
ttgctcagag tatccggagt tagccactag ctgcgggtga aatgggatgg agtagaacia 240
cagcaggctt cctggagcca catgggctga ctagggcact ctgtggctgg ctgcacggct 300
caccatgaag aggagaaacg atcccttgcc tgccctccc tgtggcaggg ctaactgcct 360
ggcctcctg gctcgcagca gccagcccc tggcagcagg ttctcctcag ggcttgggtc 420
ttcaacctgt ggcgacagga ggcagggcag actgtggagg aca 463
    
```

```

<210> 1013
<211> 348
<212> DNA
<213> Homo sapiens
    
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<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1013  
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 gtgggtggga ttccaagggtg aggcccaact gaatcgtggg gtgagcttta tagccagtag 180  
 aggtggaggg accctggcat gtgcaacaga agaggccctc tgggtgatga agtgaccatc 240  
 acatttgga agtgatcaac cactgttcct tctatggggc tcttgctcta gtgtctatgg 300  
 tgagaacaca ggccccgccg cttcccttgt agagccatag aaatattc 348

<210> 1014  
 <211> 532  
 <212> DNA  
 <213> Homo sapiens

<400> 1014  
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 ggctctgcca gcatccagct gtctacaccc agatctgcaa atacatgtcc tggatcaata 180  
 aagtcatacg ctccaactga tccagatgct acgctccagc tgatccagat gttatgctcc 240  
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<210> 1015  
 <211> 501  
 <212> DNA  
 <213> Homo sapiens

<400> 1015  
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 gaaatcttac tgaaagacta gtgatgtcca ttttccagta aatactgagc gaaaaacaat 120  
 ttttataccc caatctgagg tataaacttg ctttttgtgg gatcacaact gctgtaaatt 180  
 agacaattgt agcaacaatc caagacaata acagaatgcc tatgacagtc tgccatattc 240  
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 ccttggtttt gtctgattca tataccagat gccctggctc agcctgtgcg tgatcataat 420  
 cttgagggag gatccagtgg cgaatctcat ctttgtctaa cttcccgtct tgttcagatc 480  
 cggaaattcgt taactgctcc c 501

<210> 1016  
 <211> 5338  
 <212> DNA  
 <213> Homo sapiens

<400> 1016  
 ggccgcgagt gcatcttcca cgaacctaat tcatctctcc agcaaaggac acatctctcc 60  
 agcaaaggac acctctctcc agcaaaggac acctgcagag atgtccccag tcttcaactt 120  
 ctatgttcgt cctcttgccc atgagggggc agcctctgga cacactcgga ggaaactgca 180  
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aagcttccag	tatctgggga	atcttgcccg	gcccctggag	gttgccattg	aagccagtaa	1260
tggagcttct	gactatggca	acaagtttgg	ggaaccagtg	ctggctggct	tgcgccgctc	1320
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agaccggag	atggaacaga	agatgaaccg	tgtgatcagg	gcttgtgtgg	agggcccca	1620
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tctggcccag	tgcttctccc	agcttgggga	acaccctcca	gacctggacc	ttcctgagaa	2760
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```

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agctcaagcc acgcatgtgt gaggcatttg gtatgtatct gaattaattc tactaaaaat 5280
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```

```

<210> 1017
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<400> 1017
caatgggatt tacagcaaca ttttccattg ctgaagttag gtagcagctc tcttctgtca 60
gctgaatggt aaggatgggg aaaaagaatg ctttaagtt tgccttaat cgtatggaag 120
cttgagctat gtgttggaag tgccctggtt ttaatccata cacaagacg gtacataatc 180
ctacaggttt aaatgtacat aaaaatatag tttggaattc tttgctctac tgtttacatt 240
gcagattgct ataatttcaa ggagtgagat tataaataaa atgatgcact ttaggatgtt 300
tcctattttt gaaatctgaa catgaatcat tcacatgacc aaaattgtgt ttttttaaaa 360
atacatgtct agtctgtcct taatagctct cttaaataag ctatgatatt aatcag 416

```

```

<210> 1018
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<400> 1018
cgggggtgac ggcttttttg taggagtggg ctggaccgga cgccagagac aaaggctccc 60
aaggcaagag ggactgtggc cctgcgtcgg ctctgctcgg gactgctgac ccaggaatt 120

```



<221> misc feature  
<223> n=a,t,g or c

<400> 1022  
tcgatgccct tatttgtgag ttaaagagaa aatatcataa atggtatact cttaagtata 60  
gaggttttgt atctagagga tctcagttca actcctgtct ctccatatac cagcagtgtgta 120  
actgtgaata acataacttaa atggctgtgc ttatttcctt ttcttttctt ttttcttttt 180  
tttttttttt gagatgaagt tttgctcttg ttccccaggn ctggagtgtca atggcacgat 240  
ctcggttcac tgcaacctcc acctctcaga ttcaaggcaa ttctcctgcc tcagcctccc 300  
aagtaggctg gggattacag gtgcccacca ccaccnnggg gctaaaattt gtattttttca 360  
gtaggagacg ggggttttnc ccatgttnng ttagggctcg ttntaggaac ctctggaccc 420  
caggtganc cca 433

<210> 1023  
<211> 3705  
<212> DNA  
<213> Homo sapiens

<400> 1023  
ggaattcccg gccgggcgca cccgcggggc cctgggctcg ctggcttgcg cgcagctgag 60  
cggggtgtag gttggaaggg ccagggtccc tggggcgcaa gtgggggccc gcgccatgga 120  
acccccgacc gtcccctcgg aaaggagcct gtctctgtca ctgcccgggc cccgggaggg 180  
ccaggccacc ctgaagcctc cccgcagca cctgtggcgg cagcctcgga ccccatccg 240  
tatccagcag cgcggctact ccgacagcgc ggagcgcgcc gagcgggagc ggcagccgca 300  
ccggcccata gagcgcgcgg atgccatgga caccagcgac cggcccggcc tgcgcacgac 360  
ccgcatgtcc tggccctcgt ccttccatgg cactggcacc ggcagcggcg gcgcgggcgg 420  
aggcagcagc aggcgcttcg aggcagagaa tgggcccaca ccatctcctg gccgcagccc 480  
cctggactcg caggcgagcc caggactcgt gctgcacgcc ggggcggcca ccagccagcg 540  
ccgggagtcc ttcctgtacc gtcagacag cgactatgac atgtcaccga agaccatgtc 600  
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tcaggtgctg gccagcctcc ggagcgtccg tagcaacttc tactcctga ccaatgtgcc 720  
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cccggcccct gtaccacact tacagcccat gtcccaaact acagggttga aaaagttgat 1140  
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cctccggaac atggtgcact gtgcgcacct cagcaacccc accaagccgc tggagctgta 1920  
ccgccagtgg acagaccgca tcatggccga gttcttccag cagggtgacc gagagcgcga 1980  
gcgtggcatg gaaatcagcc ccatgtgtga caagcacact gcctccgtgg agaagtctca 2040

```

ggtgggtttt attgactaca ttgtgcaccc attgtgggag acctgggagg accttgtcca 2100
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catccggcag agcccatctc cgccacccga ggaggagtca agggggccag gccaccacc 2220
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aatggcccgag ataccgtgca cagcccaaga ggcattgact gcgcagggat tgtcaggagt 2340
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gttttttggg gcagtggctc tgatccactc accccccgc cccgtaagtt atagccactg 3660
tggaagtag tatgaaagtt cctcaagaaa ctaaaaatgg aattc 3705

```

```

<210> 1024
<211> 383
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1024
tgccttccct tcaattttta actgaagcat tttaatgtgg gtagaaactc tacaccaaata 60
acactaaaca ttttgggtgct tagtggtatt ctttttaggt aactggtact tacttccaaa 120
gactgaatac aagccacact ccatcatatc ccttaaactt catgaaaaac cattcaagat 180
ccccttgctg caacactgtt ctcttcttct ctactaaatt ctatttccaa aattggtaata 240
agagccagaa ggatcccca gtaccagcc ctctgcctgg nacaaactgg gtagcacaata 300
taaattcagt atgggggtgga gcatggtaca gtcttggttg gccaatagga aggggtagtt 360
ggcataggtc acaccatnca ttt 383

```

```

<210> 1025
<211> 375
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1025

```

```
cacgagctgc tatgaagaca tacttgagac tcggtaattt atatagaaaa gaggtttaat    60
tgacaaaaaa gctaacaaag tgagcccatg attcaaaaat gactgtctac acttggcaca    120
tgagggactt tatgatatta agagattaat taacaacagc tggatgggga ggaagaacag    180
acttttgagc tcttcccaat ataggaatgt gttagttcta aaaattttct taagttgttt    240
gcttggaact cagagtntat ttatccatac gaaaaattca gaactatttn atttatgata    300
tgggctaaaa agacttctgt aatctagctt gggaaactta ataatcatta aacttatttt    360
caatgaaaaa aaaaaa                                375
```

```
<210> 1026
<211> 339
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1026
tatttaaagg gatagttgat tcctggggtg ttttgaaatt aagttggaat taagttgctt    60
aagcatattt atgttgtgag aaacccttaa tatgagggtt atcatgccat ttttcaagca    120
gatttatgag cagatttctg tcacataagt cgtcttctgc ttgagtatcc taatatttca    180
atgcatcagg ggagcgcctc actggataag cattttattt cccgcattggc ataattgttt    240
tgcacctaaa aggctcaaag tgtgagaacc tggttcctgg atttgtttga aattntttca    300
ccaataaaag atcataaatn aaatggtttc tttcangaa                                339
```

```
<210> 1027
<211> 222
<212> DNA
<213> Homo sapiens
```

```
<400> 1027
ggggcatggc taacacctcc ctgggcctct tcttctacc ttgattgagg gtgtgatgcc    60
tgagaccaca gcagccactt tgctaccatg acaaaaaggc caagagaatc acagagtcac    120
tgaccctatc attatttcac caagccaata ccagccgcca tccttctcca gaattcttgt    180
aaataaaaata aatccctctt tgtttaaaaa aaaaaaaaaa aa                                222
```

```
<210> 1028
<211> 359
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1028
nggcttcaac aaacaggccc cttctttcca taccaccaca gtcacctgac caaataaacg    60
gagaaagctt ccagaacgtg agcaaaaatg ctagttctgc agcgaatgcc caacctcata    120
aactgtctga aacccaggc cactaaagca gagtttcatc cctgtcttta aactgggggt    180
atgtccactc taggcaagta aaaaaactac tgttacacgt tccagtaact ctgtcaatat    240
tttcttgtat caggaattgt tattatggca gcctttcatt tggggctggg ttttcatcat    300
ttttgcactg tggaantggc ttttacagtg gcattactta caggccagga aggaacata    359
```

```
<210> 1029
<211> 403
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1029
gagaagagga tctggctgct ctgtttgaag cttcaatgaa actgtattaa ttgtcatttt    60
aactgaaaga attaccgctg gccattgtag tgctgagagc aagagctgat ctagctaggg    120
ctttgtcttt tcacttttgt gcataactta cctgttacca gtataggtgg gatatacatt    180
```

tatcttgacag	gaaattcccc	aaagctcaga	gtccagttcc	ttccataaaa	caggctggac	240
aatgaccac	tatgttagac	ccccagggct	cgacttcagg	ggtcagtgtt	cctgtcccaa	300
acccacaca	gaatactctg	gcctctggct	ttcatgtagg	ccaaatgagg	caaaaaactt	360
cagtatctat	tcaaaagtgg	taaaattatt	atttcnattg	ggc		403

```

<210> 1030
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400>	1030					
atatgctttc	actgtttgtg	caatatgcat	ttattttctta	tatgaatgct	ttaaagtcac	60
ttgaggttag	atcttttaac	tcctattttc	tgtttcattg	gtcacttttt	ttttattgta	120
gtataagatg	ttagattctg	taatcttcac	attcatttta	gcaggtagctg	agtgatgctg	180
tatatacaaa	taagtgtatt	gttttgattt	ttagaccacc	acatgggcat	gcttgactat	240
ttcttatttc	aatgtctgc	taatgcagag	taggctactc	catgatagtg	ttaaaaaaca	300
aaatttgcta	acaatgtgat	ataaagactt	taaaagttac	acattatgtg	ggagccctat	360
ctttacaaaa	gtttccnact	gttaagggtgc	ntttttatttt	tccggtttca	cntgg	415

```

<210> 1031
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400>	1031					
gctggaagaa	cctttgtctg	agggtagttc	atagctggaa	atacttggaa	tattttccag	60
agtctctaaa	ctctcatctt	ccccacaga	tacacatcca	agctcacaaa	taggagtagc	120
aattctaggt	ggtaggggtg	tgtacggaac	ccctggctgt	ctgcatatat	ctcagaatta	180
ccccaggacc	attgtcccaa	agtctagagt	ctttacaggt	aggcaaaatt	tgttttcaat	240
gcctgtgcct	cagctgctgt	cacaaatacc	catcttagga	tcccatcagc	ttcccatccc	300
ccaccagaca	gccacagtac	cctcactttc	tccctattgt	tctttcaaatt	cctgtttctca	360
ggaaagaaac	tgccactaat	tcattcacac	taagggtgtaa	anggattgat	aatagggatt	420
gagttacctt	ttcccacaga	cnttggtttt	aagtatggac	agagcggggc	ttattccagg	480
ggaaagggtt	gggactggag	ggggtgaggt	t			511

```

<210> 1032
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400>	1032					
taagggtgga	ctagtaataa	aatataatat	tcttgctgct	tatgcantgg	acattggtgc	60
cctccctaaa	gcaaccaagt	agcctttatt	tcccacagtg	aaagaaaacg	ctggcctatc	120
agttacatta	caaaaggcag	atttcaagag	gattgagtaa	gtagttggat	ggctttcata	180
aaaacaagaa	ttcaagaaga	ggattcatgc	tttaagaaac	atttggtata	cattcctcac	240
aaattatacc	tggggataaa	aactatgtag	gcagggcagt	gtgttttcct	tccatgtctc	300
tctggcacta	cctgncagtg	tgttcctctg	gagggctggc	aagtctgttc	ctattctgaa	360
tttcccaggc	aggaaggcac	taaggaaggt	tcccaacctn	t		401

```

<210> 1033
<211> 1346
<212> DNA
<213> Homo sapiens

```

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1033  
 cagacaatga ggatgaagat gaagatgtca aagctgaaag actaaaggctc aaagagctga 60  
 tgggttgcca gtgtgtgtgag gagaaaccat ccattatggt cagcaatttg cataaagaat 120  
 atgatgacaa gaaagattttt cttcttttcaa gaaaagtaaa gagagtggca actaaatata 180  
 tctcttttctg tgtgaaaaaa ggagagatct taggactatt gggtcctaat ggtgctggca 240  
 aaagcacaat tattaatatt ctggttagtg atattgaacc agcttcaggc caggatatttt 300  
 taggagatta ttcttcagag acaagtgaag atgatgattc actgaagtgt atgggttact 360  
 gtcctcagat aaaccctttg tggccagata ctacattgca ggaacattttt gaaatttatg 420  
 gagctgtcaa aggaatgagt gcaagtgaac tgaaagaagt cataagtcga ataacacatg 480  
 cacttgattt aaaagaacat cttcagaaga ctgtaaagaa actacctgcn aggaatcaaa 540  
 cgaaagtgtg ttttgctcta agtatgctag ggaatcctca gattactttg ctagatgaac 600  
 catctacagg tctggatccc aaatgccaaa catgcacatg tggcatgcaa ttcgaactgc 660  
 atnnaagcgg gctgctatct tgaccactca ctatatggag gaggcagagg ctgtctgtga 720  
 tcgagtagct atcatggtgt ctgggcagtt aagatgtatc ggaacagtac aacatctaaa 780  
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 gaagctagac cgccttcaaa gagaaattca gtatattttc ccaaagcaa gccgtcagaa 900  
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 tcttttttta agctggaaga agctaaacat gctttgccat tgaagaatat agctttctca 1020  
 agcaacattg gaacagggtt ttgtagaact cactaaagaa caagaggagg aagataatag 1080  
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 tgaatttgta ttgttcggtc tgcttactgg gacttctttc tttttcactt aattttaact 1200  
 ttggtttaaa aagtttttta ttggaatggt aactggagaa ccaagaacgc acttgaaatt 1260  
 tttctaagct ccttaattga aatgctgtgg ttgtgtgttt tgcttttctt taaataaaac 1320  
 gtatgtataa ttaagtgaac aaaaaa 1346

<210> 1034  
 <211> 3282  
 <212> DNA  
 <213> Homo sapiens

<400> 1034  
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```

<210> 1035
<211> 563
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1035
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gggcacgtta ctgaccgcac aaacctcac atctgagtc gtgtcaacaa cgacaaccac 180
acacatcacc aagactgtaa aaggtggaat ttctgaaaca agaattgaga aacgcattgt 240

```



gatcacagga	gatggagata	ttgatcatga	ccaggcactg	gctcaggcga	tcagggaagc	300
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ggctgaggaa	ggggaagatt	aagttagaaa	gtcattttttt	tanacaacac	tcancctttgg	420
gaacccctga	gggattttnt	gggccccnc	cgganttcag	nttgggcttn	accagttgac	480
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nttcnncnnn	nnntnnnnnn	ncg				563

<210> 1036  
 <211> 744  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1036						
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tgaattgttc	tattaacaaa	gaggaggttc	taagatataa	agcctcagag	aacaggaaga	360
aaaggcgggt	cccataagaa	gatgaggtct	taacccgga	agatgctgcc	gagaaggcag	420
agacagattg	tgggaagaaat	cttatcacc	agtcatgtgc	actgattgtc	ccctgaagggt	480
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cccgnnnntc	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	600
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<210> 1037  
 <211> 773  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1037						
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tcagagctgg	tgccaagtgt	ccaccaaaaga	aagtccatt	caccagagac	aggctgtttc	180
cttgactcc	accatctctg	ttacagctac	cagccagggtc	tccatgatct	tcctggaatc	240
cttcatgcc	gcattcagttc	atgctctctg	agcttgtcac	tcccgaactc	ttcaagaccc	300
aggatcaactg	ncctatggnt	cacccaccca	ggncgnctcc	ggagtcctgc	agnacatctc	360
tttgggtatg	ctgctgccct	gctgccctca	agggnatngt	tgtgggtagg	gggagaacat	420
caacatcaca	ttaccannng	aancagagg	gtacattagt	anncganant	gggcatggcg	480
gacaacccan	aggacacatg	ntctccccca	antnntncta	atccncaagn	gtgggttcaa	540
nttggnttan	caggtnantg	gtaaannngt	tnnccngnnn	nttgncaann	nnnnnnnnnn	600
nnntnncann	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnntnnntnn	cnnnnnnnnnn	660
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<210> 1038  
 <211> 2191  
 <212> DNA  
 <213> Homo sapiens

<400> 1038

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tgtgggcttc tgctgcttct tgtccggggc cagggccagg actcagccag tcccatccgg    180
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gtccaaacct tcttgggaat tccatttgcc aagccacctc taggtccgct gcgatttgca    300
ccccctgagc cccctgaatc ttggagtggg gtgagggatg gaaccaccca tccggccatg    360
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aactggggct acctggacca agtggctgca ctacgctggg tccagcagaa tatcgccac    720
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cacttcgcca ttcattcata ctccgtcca gaagttgatt ccttcattca cttcgccatt    1920
cattcatact tccgtccatc cattcagaaa ccggyattta ttaagaattt actcaggcat    1980
gatggcccat acttgtaatc ccagctattg ggaaggatga gatgggagga tggcttgagg    2040
ccagagggtt gagaccgacc agccagggca acacagttag accccttctc aaaaaaaaaa    2100
aaaaaaaaag agagagtgtg tgattagaag ctaaatagga aagttttgag cttcaagtca    2160
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```

```

<210> 1039
<211> 265
<212> DNA
<213> Homo sapiens

```

```

<400> 1039
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agtgcactgg ggagtgaata agtaggcaaa gtgcttgaag cttccccttt gccccacct    120
taacctctg gggagcagct ctggacactc agtaccacga cctgggctca gcaaggcctg    180
gggtgactgt gcccctcact cctgctgcct gatctgggca gcccaccctt cactggtaag    240
acagaattct caagggatag gcgca                                265

```

```

<210> 1040
<211> 403
<212> DNA

```

```
<213> Homo sapiens
<400> 1040
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atacattagt gtatcacaca aggaaactgg gcctggccgg cacaagggtt ctctacaaac 120
atgaagcaag gggaagggtg gctacaggga agctccaaga tccctcacag cagcccccg 180
ttcccttccc tgcccacccc agccgcagtc ttgggtcctgc cagccagttc agccagattc 240
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gggctgctag tgtgggtccc actgcagagg tggctgggtg ccaatgactg gatttgtcat 360
tgcccgctag cacaggagat cccagggcag agtctgtgtc ctt 403
```

```
<210> 1041
<211> 491
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1041
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tagatcacat tgcagtctcg attgtaatga acctcagctg aatgtgccga cagcggagta 120
tctgatctaa tgtggacttt gaagcatttt gaaatgaaaa aatcttggga tgtttttgtt 180
tttaaaattc ctgtggttgt tcgctaaatg gcaaaatagg gggccaccag ccggacaagc 240
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gtgcaaggat cagcaccacag tgtagaaact gacttgtacc ccgaaggtaa tgcaatgcga 420
ttcccaacag gctcattcca gatataaaaa atatgtcatc actttcatta ggtaatatatt 480
aanccaacan t 491
```

```
<210> 1042
<211> 516
<212> DNA
<213> Homo sapiens
```

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<400> 1042
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tttatttttg ttacttgtaa aagtatattt cctagagaaa atatcagcag tggtagagac 180
cagaaaaagt aagtgtgtgt gttctaaaca gtgattccaa ctcaatgtgt tcagagaaaa 240
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tgtcaggtgg gaaacgtgtt tctctttcag agctgaagaa agggctctgag ctgcggaatc 480
agtagagaaa gccttgggtc cagtgactcc ttggct 516
```

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<210> 1043
<211> 233
<212> DNA
<213> Homo sapiens
```

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<400> 1043
gaaagttcag ttcagtttat tacagtgtca agtagattta caactattgc acttatcatt 60
ctgggtgacag aaggccaaaa ctgaagattg agattttcct ctaataaaga taggttttca 120
gaatcttcaa tataagatgt taaaattata aaggcaaaga tatatactc atgttccatt 180
ccatatcctt cctgctgttg tacagtttgc tgcaaatgat aatttaattt ggg 233
```

```
<210> 1044
<211> 297
<212> DNA
<213> Homo sapiens
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<400> 1044
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cttgtgtggc gtccgtctta tttcttcttg agtttttgtc ccgtggatgt gaatcactaa 300  
gaacacatgc attcctcaag ttttaagaag ataaataagg tggaaaaaaa taaatcttag 360  
ggatttgctt caattcttat ttaagcttca tggaaatgcaa acataggagg ctaaagcaga 420  
aataagtatt gcttcagtga tcatgagtc agccagctta gtaaacaaaa caggggttac 480  
cttcctaacc ttctaa 496

<210> 1049  
<211> 245  
<212> DNA  
<213> Homo sapiens

<400> 1049  
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gggcccagaa atggcgtttc cggtaggcta aggcgtgcc actccacctc caccagactt 180  
ctatccccctc tgctgttccc agcccccaat tctgcagca ggaaacccca gtggtctggc 240  
tttgg 245

<210> 1050  
<211> 388  
<212> DNA  
<213> Homo sapiens

<400> 1050  
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gcagtgtcag aggcccgct tcagcccaag aatgtgggat ttctctccct attgatcaca 120  
gtgggtgggt ttcttcagaa aagccccaga ggcagggacc agtgagctcc aagggttagaa 180  
gttgactgg aaggcttcag tcacatgctg ctttcaagct ttcaggctgg gcaacaagga 240  
ggagatgcc atgacgtgcc aggtctctcc catctgacac cagtgaagtc tggtaagaca 300  
gcagccgac gctgcctct gccaggagg caatcatggt aggcagcatt gcagggtcag 360  
aggtctgagt ccggaatagg agcaaggg 388

<210> 1051  
<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 1051  
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ccactcaaca ttttttagta tgccttccgt cttttttatc tgctctacgt atacaagcat 180  
acacccatat tttaaaaaac aaaattgaaa tcacataaca tgcactattt ttacaacctt 240  
ttaatattca aggagcattt ttctttcagt cagatgttct ttacatgac ttttaatgtc 300  
tgcgcggtac tccaccatct ggatggagat acaataattt acttaagcaa tcccctattg 360  
caaactttcg ttacagcaga aaag 384

<210> 1052  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 1052  
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cacttccaag cagaacgtga gcaaacacaa ccaaaataaa gtgcttcaact ttttacttcc 180  
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acgttctgca gctcctggc cagtgtatga gaggtccctg gggaacagca gaggggtgc 360  
cgatgggtgg gtagggtgtg ga 382

<210> 1053  
<211> 478  
<212> DNA

<213> Homo sapiens  
 <400> 1053  
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 gccattatgt aggtgagggc caccagcacc gtcaggagta ggcccgctggg cgtggcgctgc 360  
 atgatggccc agccaggtag ttggctgtgc ttcccagta catgggggtt tccaggatgt 420  
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<210> 1054  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1054  
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 agactctgag gttcagaaag ttaaagtgat atcgccaggg ttcttgactg gtaagtgatg 180  
 gaggctgaat ttgagccaga tctatatgct ccatcatcac tctcctgggg aaaagagcct 240  
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 cagaccatgt agactattca atctacacct ccagctcgaa ctcagaaca 469

<210> 1055  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1055  
 taatatttga agaaatttat tgagtcaa atgagtgacc atgccccatg acacagccct 60  
 cagaaggctc tgaggacatg tggcaaagg gtctctcaaa gtgttcatta ttaaggcatc 120  
 catctcccat aacttcaatg cactttgcta aacaatgcat tatttctgag gacatctgaa 180  
 tctgtttctg taccaatggg cttaatcaga acatcacata aattgccaca tctgtgtgag 240  
 atactcagga ccacggactc tcacacactc cagaagaaaa ggcacggatt ctgctgctgc 300  
 ccctccaaca ccattgtgga aataaaattt cagtaaaggg accaccagtt tgacaacctg 360  
 ctt 363

<210> 1056  
 <211> 120  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1056  
 tttttttttt tttttttttt tttttttttt tttttttttt gcaggaagac tatgtctaga 60  
 gcgaaggcta cacagacccc acgatggggg agtggggcct gaggtgggag aggccctggag 120

<210> 1057  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens  
 <400> 1057  
 tttttcctgt tttgaaagtg ttttaattag acaaaagcat caggacaaac cattttaaaa 60  
 acaaagtctt caacttgggt gttgagattg gcaaaagggg aagcaaggga aaagccaagg 120  
 aaagataaaa tattcagaag aaagtcaaag ttatctgcaa ttacatgtta gaacagatgt 180  
 tgcagggtta aaagatgttg cttaaatata ttcataagcc tgttgtaaga ttttacttta 240  
 tgcagtttca gaaaatttag ctgcttaaca tatgacagaa ctgtatttta acaaatgaca 300  
 ttaaaagtca ggagagctac tcagttaatt gataaagtag aggcaacgtg ggggagccct 360  
 cccacggtt attgaagatt tgtggctccc ccagccccgt ttgcctgcat caggctaaca 420

acctcattcc	tcccatagag	cctggccaaa	tcacaggcgg	tggtcccctt	atggttccga	480
tgccccacat	tgttgccgt	gtgtttcacc	agggaactcca	ccaccgggag	gtgggccttc	540
tttgggcagc	caagtgcagg	ggcagggttcc	cttcattatc	ctcgat		586

<210> 1058  
 <211> 451  
 <212> DNA  
 <213> Homo sapiens

<400> 1058						
ttttttcacg	tgtaagattt	ttattcaa	ttgatttaca	ttccaaaaga	aattataaaa	60
tgtattcact	tgtttataaa	aaaaattt	gtgggggaca	aactttaatt	caaattataa	120
aacatgataa	attttcagat	taaaattg	ggagtgctt	ggagtaacaa	gtttttaaat	180
caccattttc	cacctccaca	ccaaggataa	ccttctaatt	aatgatcagc	catgttgtaa	240
taggatagca	ctgagacttg	aggaaacaga	aaaactgaag	agctcttcca	agccccgacc	300
aggaacattt	ttatgccttc	tcatagtggc	gaacagcaac	cacatcacca	aaagtaaggg	360
tcataaccat	tttgccatcc	ttaattttct	ttacaaaatt	tgttttctttg	ccatcccatt	420
tctgtatgtg	aacaagtttg	tctccatcca	g			451

<210> 1059  
 <211> 315  
 <212> DNA  
 <213> Homo sapiens

<400> 1059						
tttttttttt	aaggaatgaa	ctttttaatg	ttttttctgtt	tccattctaa	caaacatgca	60
ttttttgcctt	cagaaaatag	agtcaatagc	tgtgcagagt	tgaagaaaaa	cgctctctgg	120
tgttccctct	gcatttatct	tgtgtagctg	tggttttgtc	tcgtagtagg	cgatcacggg	180
gatggacgct	cggtagtagg	cttctaggcg	cttggcgatg	gtcttggtgg	tgctgtccac	240
aggcaggctg	ctccggctcc	ttttgagaag	gcggttggtc	atggtgtctg	ccgagcagtc	300
catacagatc	accaa					315

<210> 1060  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 1060						
ttaacagtta	aacttttata	tttacaatat	tctcttcac	ttttgccagg	tttaaaaatg	60
tgtaacagagc	cgcaaagggt	tggggtaggg	ataagggtatt	gtcgggtattg	ttttggggag	120
aggagctggg	cattggagtc	cgtggctgaa	tcatgggggtc	ccccagcccc	cctcccatgc	180
cccaattctg	agggcatctg	tctacagggt	tcaggggcca	ggtctctagc	atttgagggg	240
catggctgtt	tggagaggag	ctagaccagg	caggggaaaag	gatcagaaaa	taactaattt	300
tccatggatg	gaggtaggaa	gag				323

<210> 1061  
 <211> 503  
 <212> DNA  
 <213> Homo sapiens

<400> 1061						
ttttttgtaat	ccttttaaaaa	tattttatta	agcattgatt	tagaaaacgc	aagacaagat	60
tgtaaacacct	cagggcaaag	gcttgaagg	gaaacaaata	acactataaa	tattgcactt	120
ctaaaatctt	tttttgacat	cttcacacaa	ctcaattcta	aaatatcctt	ttacagagat	180
gtataaataa	acgttccaa	gctgtcaacg	cttgacactt	ttagcttcc	atcaccgcac	240
taagtgcgga	ggtttccaat	cagatagctg	ctcctctgac	agcaggcaaa	gaacttccct	300
cagctatctc	ggaggcctca	tacctccatc	atgtgaagag	tcaaccagtc	ccatctttcg	360
gaatgctctt	tcagaatatg	taattttata	agtatttttt	tttctactga	gagaacatag	420
atctttcaaa	ggcaatggca	gaatacagct	taaatggaca	cagttcactg	ttaacattgc	480
ttattttttta	aggcatccag	gag				503

<210> 1062  
 <211> 315







```

<212> DNA
<213> Homo sapiens

<400> 1072
cttaattttt tctcttcttt tctttttctt tttttttctg tactcatcag aatgggatac    60
tccacaactg tctcaccaac tcagtgccag tacacatgct ctagaggact tctggactcg    120
cagctacaac tgtacaagtg cacacaagtg aatctacctt gttatcctcc acccactgat    180
tgaggatcga attgcacatt tctcttaacc atgacaggag aaagcaaaca gtgaaacaga    240
atcatgggtg atctttctca ctttccctct tgttttcatt ggtttgtcca taccattcta    300
attatcat                                     308

<210> 1073
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1073
aaagtcgtga gtttattgca tatgtaacaa aatgaacctg acctcctggg cccagcctgc    60
tgtacaatca ctgtttggtt tgtgtttcca gctgggtcca taaccacatt aaatagaact    120
agtatttcat taaatacttt tgattttgac atagaacatt agtgtacaac tttcacaaaa    180
taaatacagt ataaaaacag tgggaaggat aacaaggata gcagcaatac ttcaaaacaa    240
gacattacaa aataaattaa aaaata                                     266

<210> 1074
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1074
ccaactcagc agctctatth acataacagc gtcgcccaca ccccggtggg cctctnacgg    60
cttcttggtt ttcttcacgg aagatgagct ggaggccgac tcccgtcgtt ttctcgaatt    120
gggcgtgagg ggtgcgcccc ccacatcaat gatggtgtcc ttggggtcag gaccaagtcc    180
gggttcagtc actgccggct cagcagaggc cgggcctggg cctgatgctg gtgtggcagg    240
gccccctagc acaccagccc gggccagtgc ctcatgacgg tgccgcagca tctgcagctc    300
atactgcgag ttg                                     313

<210> 1075
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1075
aaagaacaca tttgctgttt ttattggtgc cttgcatggc agtaatactg aaaanggaga    60
atgcaaaaaa ataaaataaa ataaacaaaa aacaaaaaac aaaaacaggt tggtaggaac    120
ccacatcttt tttttaagag cacataaaact cctgttttat ttttattgtg gcatgaatga    180
taacataaaa ccaaaancat gaaaatatac aacttatatt acactatgt                                     229

<210> 1076
<211> 294
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1076
gcgaatctgt tgatttattt acggctcggg gagacgacgc tggacgctgg ttagggtaag    60
ggttagggca agcattagca gcaggggcat ggccctggga agcacctgga cccagaacaa    120
taagacagga gggagagatg ccatccattc agcgggcact tatgcccacg accagctgag    180

```

ccagaccagc attcccatTT caccacccct tactcctcaa gatgcaaTn aagctcaggg 240  
ctgggcggaa gctggcaggg ctgtccacag ggaggacccc cgtgtgtctc tcgg 294

<210> 1077  
<211> 256  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1077  
ctccaacaat ctggaatttn attccatcca tatacatgca tagtaacaac atttgTtgag 60  
aaattatttc tatcagaagt agaacattat ctttgtgatc accaggtgca gtattgctac 120  
tctnatattt aaatagatct tatatatgan ttaaattcat acttgcagca ttgagtttag 180  
ggtttcgatt tagactgtgc ctttcaaaag ataaaactga ttaatactac ctcattactt 240  
acaatactgc ttccag 256

<210> 1078  
<211> 305  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1078  
gctcagtga gatttattgt tatagaaggc aactaataca atagatttgt gggctcgaaa 60  
ttttaaaaag ttcta aaaag gcagttaaag cttgacaata aacttgagta aggtttacac 120  
aatatcaaag tatattagtt ctttgaaatg aaaagggtatt tttttnctnc ctttaacatt 180  
gagatgtctg agatgtcagg attttgtagc attccttagaa acaacatcca ctgtgtggga 240  
tacttttttc ctttctggag ttttaaacca gtctgactct ttggttgtgc ctatacaatg 300  
aaaag 305

<210> 1079  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 1079  
caattaaagt aatttattgt attcctccag atcagacata aagagcatct tgggaattga 60  
taccacaaca caatgttata caccattttc acaaccaggc ttgcattgaa ttctttttta 120  
aagaacatag taatttttaa aaatctaaat atttacatat taataaaaca tatatacaga 180  
agattgagac attatccata gatatggatt ttttttttgc taaaaaagcc tataaaaagg 240  
ttt 243

<210> 1080  
<211> 345  
<212> DNA  
<213> Homo sapiens

<400> 1080  
aagaggttaa ctcattgttt ttatttggta atcagaagaa catacaagta cttatgcatt 60  
actagatgct gggggaaaat tatacattga aggactgtca ggctcatctg tgcaataaag 120  
atttacaata aacacatcat taattttcct gagaacagct cagtatactc tgttttacat 180  
gaatccttat gatttaattct tgtatttggg gatatgatgc tatggcattt ggataacatt 240  
ggttaagcag catcttagag aacagaacac tcttcctcag aatggatggc cattctttta 300  
ccctgtgatg tacaatgca aattacaacc tgcattttat ctgcc 345

<210> 1081  
<211> 325  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

```

<400> 1081
aagatatttt acttttttnc tttaatcagc acatttcttt tgataaatag tcatgagacg      60
tgttctgtga gtcactacaa ttctcacttg gcacttgga cagtcgtgtt atatagggtt      120
accataactc tcagaacagg agtatattac aaacaagtg agtagaacat agagaataca      180
taatttggtc taatattcct cttccttaga gccttcaaac ttaaaccaag ttgaaaaaaa      240
aagtttccca aattgaaaac attgcctatg gattatctac agaagagagg aaaataagca      300
accattttga ttccacaaac caagc                                           325

```

```

<210> 1082
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1082
gaccacatca ctgctcagcn antcngccac ggctgcctga atggccccag ctcggccctg      60
caggggagac gactgcatgc cagtgcatt gacatcgtgg taggcttcaa gccaaagcctc      120
agtggccaga aggtcatgtt ctgttaccag gaagacgata tctttggccc aataaatctg      180
cccccggaag tgggcagcca gtgccagcag cagccccaca gcctgggctg ttgggtagag      240
tcagagccac agggcacggg tgaggcacia gcgccttcgt gccgaattct tgggccttga      300
ggggcaaatt tccctattag gtgagtcgta tttaaattcg taatcatgtt cataggntgt      360
tttctgttg tggaaattgt ttatnccgct tnacaatttt ccacaacaac attacggagg      420
ccggaaggct taaagtgtta                                           440

```

```

<210> 1083
<211> 325
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1083
ttttttttga atacatacca tactttnta accaagacaa ttcagctgtt tttccagagt      60
atatttcaaa cagagttggc atataacccg tatgtaacaa tattgctgtg attttagtca      120
tattttaagg tccaaaatat gttcacaaaa gaacagtttg tgaatgtcaa ccagtttttg      180
ctttatattc cttcaaaaac attccaccct gggcatncac actaatctac atcactgaaa      240
ataacaaaaa taattcacag tctcacctct atgtaaaaat tctaattgac tcaacaggga      300
aaggactgcc ctgctccttt tgagg                                           325

```

```

<210> 1084
<211> 188
<212> DNA
<213> Homo sapiens

```

```

<400> 1084
tttttttttg tatttcaagt ttaaacattt tatttcaaaa aataggctgg gaggaaaagg      60
gtttgcgccc ccacattctc tcctgggacc taacgatttt gcgccatttt ctaatgttgt      120
tttctctaac aattttcaaa gtcacatttg gattccttca gaattgtatt tgtcagctag      180
cagctcgg                                           188

```

```

<210> 1085
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1085
aatgagggna agggaggcaa actggactag aggggctagg aggaggcaat gctgggaacc      60

```

```

aggtctcccc accacctgcg agtaatgtcg tgcaaataa aatgtgatac aagaactaat 120
ggggactaac tcctcagtaa aaaaagaaac acagggttgag agaagagtga tggaacaaaa 180
agaaatggaa agggatagca gtatgtaatg atacgctaataacatgctg ggacgntccc 240
aaagaccttg ggattcttag ggaccaagtg ggggccagtc tcagagcctc ccaatgggnt 300
acaaaggaag gatgttacc taagggaagc ctgggacagg tgcttggtgt 350

```

```

<210> 1086
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1086
tttttttttca gttgagcaga catttattaa gcacctatca agtgcaaggc ntgttgctag 60
gcgccgtggg aaatacagag aacacaggcg gtccctgccc acgaggagct cacagtctag 120
aaagggcagc aagacagtac acaatcagtg gcagcagcac cagccagagt ggcaagtgt 180
caaagcaaga cacaagtgc tgtgcggttc acaacatcat ggggatgctt ctggcagaag 240
cactggaaag gagacgagga ctgagcgtgg gccttccagg gaggggaagc atttgggaga 300
agggcatctc tagcggagag aggtccatct gcagagccca caggatcatgg gaaacatgtg 360
gnctgcaggg agagtttggg ggacanttca agtatggntc ggggaggtng acagccacgg 420
acattaagtt caggagattt tganccttnt ggtctggttc aaacagccac tncag 475

```

```

<210> 1087
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1087
cagatatant atcaacactg aggtttacca gtacaaatac aatatcttgc ctcaaaaggc 60
cttaaacagt acggaaatgt gttatctaaa ttaattaaag gttataaagt caagttggct 120
ccagacatgg nacaatgagg acatctggac agatataaaa gagaactctg aaccctcat 180
atcctcctaa acctttctaa gaggcagtcc tctcaaatac ccaaccaagc tgctctgcat 240
taaacatttc aatgacttaa cctgggggca atggcctcac acaggtatgc agcttcttct 300
caggcaggcc acccctttc actgctctgg aaccctccgg gccaggagt tctcaggcat 360
aggcccttag gataggcagg tacaagggtc tggattttaa ggngataacc aaggcatttt 420
ggttaatttt cctagggggg gtt 443

```

```

<210> 1088
<211> 384
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1088
gttaccaaga cacaatttta agatcaaaca agtgtcaagg taggccatgg cttgttgga 60
gtagtgggg ccctatggct atttccagg atgggtggcc ccttttctt ggttatctg 120
ggaatctgcc acagcagaca gcaaaaggta aaaagcatcc cttaataac tacacccac 180
tccagcaatt gaggtttatt caggggtggg tcaaagtagt acaagacaaa aatagcttag 240
tgaaatggnt tagaatccag actgaggtgc cagactgcct gcatctgagg tctcaggctc 300
caccatgtat ggaggccgtg tggaccttg gggtaggtt actaggcctc cccgggggtt 360
caaactcttct tcacctgtaa aatg 384

```

```

<210> 1089

```

<211> 332  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1089  
 nctatttttta ttctttttttc ttgcttaatt tagggtagtg ttgggataga agatacactt 60  
 tataaaaagc agaaagacca atcattgagt tatttttagag acaatatgcc agatccatac 120  
 ctttagattt aatcttacct ttttttttag tttctcttca ttcaagccga ggtagaaagc 180  
 cagtgggtga aagctgtggn attgcatagg ctacaaacat tgtattgtca acttgaaagt 240  
 atagctactt ctaaggatgt tgatgttcat tgtaggtttt ttatttatag gtaggctaaa 300  
 attaggaagg caacttaaag gcttcccaaa aa 332

<210> 1090  
 <211> 398  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1090  
 cattgtcata tgtctctgta atgggggtggt gggacacata gtgtctaaca cttcagtttc 60  
 tctgctgctt cctctccatt gagaagccag tgacagggtt gctgtgaaga tgggagagct 120  
 tctgaaccca cctcattaaa ggatgagaaa cccagggtcc gagagcaaag ggacttgacg 180  
 gtggccgcaa gtgcttcaaa ggcagagctg ggattggaac ccagggtgtc atctcgatgg 240  
 gaatgtccag cagtgatgtc caagtgggaa gtgaagacct gaaggctcaa gggacacagg 300  
 tggctgacag tgggtcaaagg ctagggggca ggattcaggc agaggagctc ttaggggggt 360  
 tttttgccac cctgtntgaa ctcccagac tntaccag 398

<210> 1091  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 1091  
 gaaacaatct ggggtattaca ggaatctact ttgtcaactg taaatttatg aaatctaaat 60  
 acagatcaag tattttctgat gaaaacgtat gaactgagat atgctgttaa atgtaaagta 120  
 cacaggattt tggaaatgta gtacaaaaag aatgtgaaaa cccacaattt taaaatactg 180  
 attacacact gatacaatat tttagatata atgggggttaa ataaaatata ttaataaaaa 240  
 a 241

<210> 1092  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1092  
 tttttttttt tggcgttttt atctttttgt attaaaaaag tagtaacaga cacaaatatc 60  
 aaaaacacaa atgccatcgn agacgggtac agctgagaac gcctgggtcc cacctgaggg 120  
 gcagcaccag ggactccatg gtccaccaac ctccccact ccagagcagc taggggctgg 180  
 aacccccggg tcctgcttgg gcctcaggtc tcctcccatc tgg 223

<210> 1093  
 <211> 469  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

```
<400> 1093
anaattcaaa cttttatattg gcaataagtt cagagtcaca taacacataa aatcaacatt    60
taaaataaat agcaaattca catctagaat aaataggtct gcctaatttg cattaattgt    120
gcctgatatc atacaggcac aatctgtcat tccacgagat aactggaaaa gtctccaaag    180
tcagagttca aacctgcagg actgaaaaca cacagaagca ctgtcgcagg ttgggttccc    240
cgaaagcaga tactgaggtg gagaatggcg tgcaggaagg ttcataggac agtgctgtgg    300
gctgagccgg ctgggtacag gcttgtcagg gagaggcact gggctgtaat gtggccacaa    360
tgaggtctca ctggacccca caaggggctc tggagctggg atggccccag aggttttccc    420
aagttggggg gaggaggcca gacctttgta ccccatatgg agccggtaa    469
```

```
<210> 1094
<211> 454
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1094
agacgggctt ggtgacccgg acccggactc tgtgctcagg atcctcctct gtaggttggg    60
gtgatggggg aggctttttg gggacaaccc tctttttctt gtgcttcttc accagctctg    120
gactctgttt ttcctccagt cttttgatga gtttgttgag agtggtatgtg agagccagca    180
ttgcccgatc ccgctctgac tccttcttca gcccatctgg gtccagctct ttctctgtct    240
ccgaacggag ccggtctcgg tctgacggaa gcaggatccc ttccagttcc ttctcaaatt    300
ctcccagtaa ctgccgttca tcctcatctt catcctcatc ctcatcctca tcctcctctt    360
cttccatctc tctctggccg ttctggatca accctttcct tctncggggg noctctgaag    420
gaattctgga aggaataatc caaagggtgg tctt    454
```

```
<210> 1095
<211> 506
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1095
taacataaag catttgttta ttattgctat actcaaggca aaatctctta attagccttg    60
ataatggaag tataaccaga accattattc atgaatttac attttgttct tttctgctgt    120
tgagacttca ctgtttcaca cacaccatct accccaagac ctttaataata caagaacaag    180
aagaattaac ttgaaagtca caaagcatgg cttgaccact tgcctagttc ctgactttag    240
gccaatcact tcccctctct gaacctgttt catcctgtgt taaaaaagaa atgggagagg    300
aagaggagag gatagaataa acctacaact gagataacac aggtgataac tgaaagaaca    360
tgaatgaaat ttactgtga ataaaaaata ttatataana taaagtatca ctaataacaa    420
atagggggtt tggagggtta aacagtctat gggtcctggg aagcctggca tgacagtagc    480
caagatctaa atcctggggg caggac    506
```

```
<210> 1096
<211> 396
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1096
catggtacaa aaatgtttat ttaaattaaa tatttgcaac aaattaatat tgacaactgt    60
tccaaagtat gagttgttct ttcaaaaaaa cgaaacagtt tagcttaatg tctgtgatac    120
tgttttatga gattattcat acatgctctg gactgcatc cagtcaatca tatcatcaac    180
aatttactat ttattaccaa atggcatata aagtaatagc ataaagagta atcatacctt    240
```

```

ataagtgatt ttacaatagg acatcttaga aggacaaaaa ggatttatca acaatacaaa 300
acataagata aaaataatag gagattatat aanacatatt tcatacagga aataatatgg 360
ctaaaatcca aaaaaccaac caactgggtct ttcagc 396

```

```

<210> 1097
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1097
tcaaataatc catctaacag ccatgagacc actcaagtat ttgaggatcat cagctgcgtc 60
catcaagaca tgatattgaa catggacacc atctgggtctg ttgggtctggt tttggtggca 120
aaggactcca aaaggatgca gttgtatgtg ttccagctga accacatacc atagctcctc 180
tcccctcaca aaagggtttc tctgggggga gaaaagtaac tgattatacc tctcatgtct 240
caaactgaaa ttctgagaag caaatggtca gttgagggcc ccattccaga tctgccggga 300
cgtcctcaga tgtccagagc tggcaaaagg tggagcaggc agcagctttg ggcaccagcc 360
tgtctctttc tgttctgata aggccacaca catggctttt tgtgataagc ttccagccca 420
tgccactgaa ataacgttta agaacctggc tgcatttcac agaaatagcg taatgggaaa 480
tcattatgta attaaacaaa gcatgaagct cattatcctt ttccttttaa caaaccttca 540
atttcacatt ttagtgagca ctgtggnttc cagagaatat atggatt 587

```

```

<210> 1098
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<400> 1098
ttaaccagaa aagaatctct ttaatatctt gtagccgtaa gactgatata actgaaaaca 60
taaccctaaa tttgattctg cagggtgcag ttacaacaca agttgaagtc acagccttgc 120
cggaactctt atgtaaagtt tagggcattg gatctggaag gagggggacc ctgagaatcg 180
taaagggata tttgggtgga cttgagcaaa tccaagaacc ctgaactgag gaagagcagt 240
gtgagtacat ggtcaggggc tccatgaata ttctgcctg caacccagc ttcacaggca 300
attcagcctt ctccacactg gcccggcact ggctagctgc tcaccttatg gctcgaggca 360
ggaccccccc gcagccttac agctggagtg ggaagttgct ggaagttgta tctgtttatt 420
gcttttaagg ctgtcatgag cagaca 446

```

```

<210> 1099
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 1099
ttcgacatat aaccaaagt tatttaatat cttaaaaagt aacacaatcc aaaatggata 60
tttcacacaa cactacataa acaacatgaa cacagtatca ccatagggag ggactttcaa 120
atatagactt acaaaaatcc ctgcctcttt ttttctttt aagttattat actaagcatg 180
acaagtaatc atcatttaca gtatggtaca ctgacacgat aaaaaccatg ttacaaatgt 240
gctgttataa atcagtaaca ttagggaaga catttcatga actgtaatta tttcatatga 300
aatactatac aatataaaca gaacatccat cttgggatga cctttacagc aaccagagac 360
caagtaattt aaaatttttt ttcagtgcaa acacatttta tt 402

```

```

<210> 1100
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<400> 1100
gattaactat gtgactaaat tatattcaaa ttttatgaac agaaaatgat ataaatgtta 60
tcagctaata aagagattat caaagagtaa gcaacaaaa caagtaggca aaaagcatca 120
gagagtaatt aatacaaaga tgatgttggt tttctggatt tcataatggt tatcatagtt 180

```



```
gtcaactttt ctcattcaaa aaaaccctta tttttatacc taattttaat taaaaatttt 240
tcagtttgta ttaaagagga ccccccaaat tatatgagtt tccaacttca taaaacctaa 300
atctgtcttt gttcatatca gataaaaata ggccacacag actgcccaagt aggtacagtc 360
ttggaactgt ctgtgggtgt ggacccaagg ttcacttggg ctctctccat gggacttac 420
tggcccaagc caaagctg 438
```

```
<210> 1101
<211> 230
<212> DNA
<213> Homo sapiens
```

```
<400> 1101
cagtaaaaac tctttattca ttccttcatg tgacagttgg ccttgagtag ttacaaagac 60
agagcagttc ctgcctctca gaattctaag cagacattcc agagctcaca gatcagtgtc 120
ccaccagctg ctaccctgga agcttcaggg agatggggag cctggagtag gggggtgctg 180
caggaacccc cggcaggcag tggggccagg cttcacagge acccagggct 230
```

```
<210> 1102
<211> 335
<212> DNA
<213> Homo sapiens
```

```
<400> 1102
tttgaaattc caattgtaaa tgggttctct tgaataactc agttttacat aaatgcttat 60
ccagcagcac gtcataaacc acagggccaa aacaatttct tgtcacgtaa acatggcggt 120
ggtagctaaa actcaaattt agcaacaaat aattgttttc ataggactca taagataacc 180
ttaaattggt agatgctttt agggcattgg ctaattcaga attggetggt attataacag 240
aacttaattt ttgcaggcat ttaaagattt tcacgcatta tgtacctgaa ggttttgtct 300
cttaattttc ttgaaccac acctcttctc cttat 335
```

```
<210> 1103
<211> 425
<212> DNA
<213> Homo sapiens
```

```
<400> 1103
catcataaaa aaccaaaga aatttttata tctcaaattg gtaaacttta caaaatattt 60
aacatatgag gaagaggtat atcttacaga attatttggc tatgtcataa ggcagtaatg 120
aagatggaat ttttctatc ataaatctga cataagtga agtctataac atgggtcattc 180
tcataaatc tgaaagcttg ttggttacag caatatgatc atgccacact gtcgtcggtta 240
ttgaactttg atgaaagtag actgaatgag aaaggaacaa atttggtgcc tgcacaaccg 300
tagaatttgt tctgaaattc taccagtgag aggcgtatgg cgtgaagaaa cgcagaaagc 360
ccttccatga tcagaaggat gaaaatggtc aaaactgcaa agagcgcgat aaccggggagc 420
agtag 425
```

```
<210> 1104
<211> 440
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1104
gtttattaaa ccagatttat tctccacaag ctgaagatac ctgagggttac atgaggactg 60
gcattaaata atttataaat gtatttttga ctgacagact tttatcataa ggattcatgt 120
gtttacaaaa gcaaaatcca acctctccag agctagaaag tgggaagggtg cccgggctgc 180
aacacagcct tgggggagga tgaggccaca taattctctc tgccacact ctcagaatgc 240
cccaagaagt tagtagctac acaaagccaa gccttggggg aaaacctggt ccgtggtgtg 300
gactctccaa aatgcagacc caaccggang cggggccgc ctttccatct ggaggcactg 360
cagggtttct gaaagcggcc catcccagga gcctggcaaa cacccccaga gaccctcagg 420
atgcgcagcc ccggggcttt 440
```

```

<210> 1105
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1105
ttttttttttt ttttttttta agagtagtta aaatgtgttt attcatttac aaaccagta 60
acatgagaag aaactcagtg gaaaccttgc ttggtggaga cagtgcacag tgtagtgcc 120
acattcacag gggcagaaat gctcggtcac cctgtgcacc caaagtcacc caggatctct 180
agaaaagatc ccacttactg aagtgcctcg gatgtcttca gggccagatt gtaactacac 240
aggaacaggg aagggctaag cttgaactgc acactg 276

```

```

<210> 1106
<211> 529
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1106
ttttttgact agaaagggag cactttaatg aacagaagta cagacgtgct ggcaaggatg 60
gaaatctcca ctggttcctg gcccccttca cctccatgca tccccagcat ggggtgtaat 120
cattacccaa gctctcgctg ttccccctca cccctgcag agtccagcag gtctagatac 180
gtgctctttg aaatgtgttc tgggattaaa aatggtgccc tgaggctgtc taaccctcac 240
aaaagacaga cacatgcaca cacgggcctt ggggagggct gtgtattagc agtcagggtg 300
gccctcctgg gagagcttgc tcaagaactc ttctcggaag gaaaccacc ttaaggtagg 360
gttctgatag gcagantccc agagggacag ccagctgcta gaagatgggg ttatccaggg 420
tttgtaaggt ttaaacaacg ggcagggagn caaacgagtc aaatggtttc ctcggtcgaa 480
ttttggctcg aggcaaattc ctatagttag ngtattaaat cgtaacatg 529

```

```

<210> 1107
<211> 610
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1107
tccctttctc cctgtttccc tcccttcttt ccttccttcc ttccttcctt ccttcttaga 60
attcactgaa gtatttctta ggtagccttt tacttactac tttaatcaaa gcttatcttt 120
gtgcccaatg tgtaaaaagt gaaaatgtct cttcgaaatt ctatattaca atatagacag 180
agaagttggg ccttgagggc ttgagtttca cttaaatact atacacatgt ggtatcacac 240
aaggtggagg gggaggggaa aaacagaaac ataacaatta tttttattct gtctttacaa 300
aagaaagcct cttctctatg aaaaagtctt tttggcatct gctcccgga acctgccccg 360
agaacacgtt cccattgct ttgcaagcat ctctttttaa aagcacanca ctgtccccgg 420
gagtcacgta gggttgatta anctgtctta gttgaccaac gaagaancac tggatgagtt 480
ttccagggat gantggttgt ctgggggtga acatatagtc ctgtctacaa caaatgtaac 540
tcctgatatg ggacnatgaa cncagtgtgt gaccaggag tgnttgatct gtnaacantc 600
gcatgnaatt 610

```

```

<210> 1108
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1108
tactgaaata cacagattca cttcagctca gcgtttactg agcatctgcc atagggcact 60

```

gtngcttgga gctgggattt aaacagctcc agtccctggc ctgcacagaa agtgaaggcc 120  
 agtggggaca ggcatgtaag cccgtagcag cagcacaccc ggccacagcg gccaaagtga 180  
 gcaagtactc acagaattcc agggcgatgc caagaggctt tcagaggggc caacctgtga 240  
 gccagaactt tgaagggacc aacggatttc ccagatggg acaaggaaca gaatgggtgt 300  
 tattacccaa ggcaagatta aagtgttatt gggaaggtn acagagggcc agccaacatt 360  
 tggggcacac cacaggggca a 381

<210> 1109  
 <211> 330  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1109  
 ttttaagaa tacggcactt ttaataggcg gcagccccag gnggtgcgtg gacagaccct 60  
 gtccacagcg cctggctccc gtgctgcctg tccttccatc tggaatgcca aacagaagct 120  
 cctctcaggt ggcatctggg gagtaggtcc cagtcccgaa atatacaaag tggcgccctc 180  
 cactgggcag tggctcactgg gctgcacggc cctttcaagt cctaggggtg cccctcaggt 240  
 cactgcttgg ccttcttcac aatgggtgcc cacagcagag atgacgggtg tcttnggagc 300  
 cgctgggctt ggggtgggtga ccgtgacaac 330

<210> 1110  
 <211> 350  
 <212> DNA  
 <213> Homo sapiens

<400> 1110  
 tgccttggtg cctaggctag tcttgaattc ctgggctcaa gagatccctc catcttggcc 60  
 tcccaaattg ttggtgttaa aagcgtcaac caccacacct ggctgtcac ttctttatca 120  
 tgtaattttt catctaaaaa aactatcact gaaaactttt ttaagtataa tcaaattgagt 180  
 tcaactgtca cgtaaggat gccttgaatt cttttgattt tctagttcca atttctagct 240  
 ttaatatctt caaatcacc tgcccaagtg ggtgtgtgtt ttacaccct ctctgggccc 300  
 tttaggtttt ctgctggggg gaaccagga ccggccaggc ccaggcaccc 350

<210> 1111  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1111  
 ggaattttta ttacaaaata aaacacaagc atgataaact aatgctggaa tatatcattc 60  
 taatttaact agagctaagc aaataaaatg caaatgaact atgtaagnaa cagcatgcag 120  
 ngaaacaagt ntttaattca gtaacaagtc tccatgcaaa cgggaaagggt tgctaacct 180  
 atttgcaaaa cactgcatca ctatctacaa atggcctcta ttcatatcaa gtagnngctga 240  
 cttgaacttt ttaacanc 258

<210> 1112  
 <211> 379  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1112  
 gaatttttct gttgtgttgc tgtctttaat aagtgaacat atgtttgcat ttgcacaagt 60  
 gtattaaact ctaacatgca tattgacaag tgtacatata aggtcagagc tcaaggaatt 120  
 ttcataagct gaagacacca tgtaaaactt acaaacatta aaaagaatca accagcacc 180

```
cagtagcctt cccttctatt ccctttttta tccccaccc cttccccagg gggtatccct 240
acctcctgga caaaaaggat tgggggtttt cctctctttt ggtactttta ataaatgggg 300
gatccataaa ttatgggggc ctcttttttg catgggggct tcctttggac tccaaantta 360
tgggttnccg ggggactcc 379
```

```
<210> 1113
<211> 319
<212> DNA
<213> Homo sapiens
```

```
<400> 1113
tttttttttt aacaagtgac tagtgtttaa tctcagaaac atttgcatto agagtacgtt 60
cccttagaat tttctcctct ccactccatg aggagtgggc atgtgcttta ttatatcaac 120
aagactaaga agccgcaccc gagtgggtccc actcaaaaaa gagatttctg tttctacctc 180
aaaatgcaga aaccactaca gattaaaaga gaaacacaca cagacacttt gagaaactcg 240
cccttctca tcttcaaagt gtgggggtat gcattccaga tctctcagcc tgatgggaca 300
gcttggaag tgggaagg 319
```

```
<210> 1114
<211> 334
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1114
tttttttttt aagtatatca acaaagtga agatgggttt aatttttccc aaaaaagtt 60
aaaagaaata acagcagttt tagaggaaga nggaaaaaat aataagaaa ttacatgcag 120
ttgcaaaatg tgtgactatt tacaaactct aacatataac tacaaaacgg accagaagaa 180
tcattatcat aggaagcaaa gggtcatttc aaaantcaga ggagggatga ttcataattta 240
atttaattct gtgggaaaac atttaagtaa cctttgagga caaaantagg tgatatgttg 300
aaatgcggga aaccacagtg ggaagggaaa aaga 334
```

```
<210> 1115
<211> 496
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1115
tttttttttt tttttcttta ttaataaatt ttatttttag cacaatcatt taccacaaaa 60
gagagtttga gaatgttcga gaatctctac cactcggtaa ccatgctggc tgttatatca 120
gaaaaatcca taaacatata cagcagcgag ctgttttcac aagacttcct gctaataaac 180
acaacacttt ctctccact cagatgggag cctcagnatg ccaaacggc aggatgtgcc 240
aactaactat agggctcgtt gctaaggcag gaggaatct attcaagttt gtccaggcaa 300
attcgattgt acagtgggga tgggcgtctg cttctgcggg ccttgggaca ggggaggcca 360
ctgggtctnt gctggctgtt cccctgtagg gcagggtcga ngctgggtng gccctttagg 420
agggaagg ttaaaatggg tttntcatgg gggtttagga acataagggg ntttttgagg 480
naaaaattgn caaatt 496
```

```
<210> 1116
<211> 467
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1116
tttttttttt tttttttttt tttttttttt tatgtgttta tactcaattc ataaatggac 60
```

tgtcttacaa	taaaggngat	aaaaaatctc	tgttcnnttc	tttttgcttt	tcacactttt	120
ttnccccata	aaaacccact	gcagtcatag	tcagtagtta	gggggtggggg	ttgggttaac	180
acattctggg	tgctcactca	tgaacatgcc	aaagctatac	tgcaacacta	gcctgaattc	240
aacttagagt	tacctacca	tcaaaatcag	gtggctggga	cgttcttttg	tctctgaaga	300
ccaaaacttg	aaaatggact	gactttagt	gggaaatttc	cttctgcgac	agtcattgtc	360
atgggaactt	tcctggggct	ggggagtctt	gttcagccaa	attcagtctg	ggcagcacccg	420
gggagcaaat	tcaattcatg	ggtttgtcca	aaagagtcct	aantttt		467

<210> 1117  
 <211> 377  
 <212> DNA  
 <213> Homo sapiens

<400> 1117	tttttttttt	ttcctagata	caattccttt	attatcatta	tcattgcccc	tagcacatga	60
	agctgggctt	ccacctagat	cagctaagga	caggggtatg	tttacaatga	gaacaatttc	120
	tctatgcgca	ttaggttaag	acctcttctc	tgtttctaga	atactgtgat	gactcacatc	180
	catgggccag	ctgcttcag	ggaatccatc	tggcctcaac	aacattgggc	tgcttgggaa	240
	taacggctctg	ggcacttgca	caggggcagg	ggtatggggg	agcaggcctc	aggtttatta	300
	aggcagggac	tggggcactg	ctggaaatag	ggggaagggg	gggcagccaa	catgttagcc	360
	aggttcttcc	ccaaggg					377

<210> 1118  
 <211> 439  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1118	tttttttttt	tttgtgctta	gccaaagattt	attgaactgg	atgaatgaat	caatggcttg	60
	tggaggggtg	gggagtgggg	gggcagttag	agaccacaca	gcacacagaa	tgtctaacta	120
	acttgaggaa	ttccagttgc	tgaggaggat	gtaagcagat	tgtttcagag	atggataagg	180
	aaagagatga	ctgggacagg	gtaggaatca	tggctattca	tgggtactca	ttctatcctc	240
	tcagtcaccc	tccacatcca	ataatcagtc	attaagttat	catcttacct	taacagttca	300
	caccttaaca	cctccaatct	attcctactg	ggcctttgcc	ctaggtgcag	ggcctcctgg	360
	ggtctttttt	tccagtctcc	taggctaatc	ttgttcactc	tccatttcgg	ntctcttcac	420
	aaatgggatt	cactcangg					439

<210> 1119  
 <211> 426  
 <212> DNA  
 <213> Homo sapiens

<400> 1119	tttttttttt	caccttattg	cattttttaaa	atctttattc	tgtagtgaat	tggattttccc	60
	aatctgccta	agcaaaggca	tgcccttcta	acaagatttg	cttagagcag	aggtgataga	120
	aggaagaatc	cgaagaccct	ctggcatggc	aatctgggag	cagcacattg	ttgatggagt	180
	ccaagtgagc	acatttcaca	caattcattt	agtgacaagt	gggcttgctc	ccttttcac	240
	caggaaaaaa	actactcaca	gaccactgcc	cagaatctgg	aataagaacc	ctcattttta	300
	ggtattcttc	ccaacaaata	aatatctaaa	tattgaaagg	gggcatatca	ggaaaactta	360
	aaaggacaca	tttaaccaa	accaaacc	tttttcaaaa	caagtaaggc	atgtctgtat	420
	ttagtt						426

<210> 1120  
 <211> 465  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<223> n=a,t,g or c

```

<400> 1120
tttttttttt ttattaagca acatgtttat tggcgttgat gcagagactt acacaagtct    60
tcttttttaa gagaaaaatt acaaggtatt caagttacga ttttttagata atctctacat    120
ttgagacatc aaattataaa aggtcagtgt taccctatat gacatttggt ttaaaagttt    180
aaaggttacc agggtttgca gcttttaaag atatgaatgt cctgggcctt acccctttgg    240
gtgtctgagc tagcagctgc agagagggcc ctctggaata cacagtatat tttgctatcc    300
cttcaagtta tttaaatacc cggaaacaca aaggggtttt cccttagggg attgtgttga    360
ttgggggctn caggggnntt aaacccggac caaccntcgg tcttgggggg ggattgtntt    420
ttcaacgnng ccattcttct gaggnccccc ttctactntc cggggg                    465
    
```

```

<210> 1121
<211> 399
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1121
tttttttttt ttttttttacg ctttttactgg ttggtttaat gagagagaac cacttttggc    60
cattatcacc ttacgttact acaaatcctg aaaggaaagc agctttgagt cttgggctcg    120
gctgaacccc ctgcatggac cggggctaac agtaccctct acgactccca caggctctctc    180
tttgtgtcca gatggatggc gactgtgagt cagcaacgcc agccaaggac ttcctcgctt    240
ttaccgtggg cattggggca gtttttcagg ctctctacag agaggaggaa gtggggccag    300
taaggggaga ggggctagag agaggacacc agtttacata ggggttgact ttcacttgtg    360
tgtagtagca gtttcaggaa ttttaaaaag aaattttcc                    399
    
```

```

<210> 1122
<211> 314
<212> DNA
<213> Homo sapiens
    
```

```

<220>
<221> misc feature
<223> n=a,t,g or c
    
```

```

<400> 1122
tttttttttt tttttttttt tttttttttt ttatanacag ccgtcttttt attttatcac    60
aataggcaac aagatgggnc tgggttttggg atatgttacc atttgtgttt aatttccaaa    120
gacacgcata ttagctcaac tagtgtaaac ctgtgaaaaa atagctgagc catctttttc    180
ctctcctctg ttaatttatc ttgaaatgtt cacagcttag gaaactacag cctgctgggg    240
naagagaggg gagtgggccc ccatggggaa aatgtcccag nctcgctgga aatagcctca    300
ccccagnagg ggtt                    314
    
```

```

<210> 1123
<211> 444
<212> DNA
<213> Homo sapiens
    
```

```

<220>
<221> misc feature
<223> n=a,t,g or c
    
```

```

<400> 1123
taataaaaat ttattgantt acaagtgatt atttatcaaa agaccattaa tagcaggtac    60
tgaaatgatg tgttactggg tgggtgctggg agactaatag gaaatcaatg cagctggccg    120
gccagaatgc atatgagaag cccacccccc ggcagccagc gcaatcacc cgcgaacaca    180
cgccaggngc caccctggc gcaatgaaaa gttccccctt tttatttatc gtttacaat    240
gaaataatca atacttttaa tctagagcaa aatttattaa ctttcccatc ggagagagac    300
atnttgactg ggggagagag tggggtntgc gtgctgtagn aagatgggat ggctgcgtgg    360
ccatataccta acctgtccgc gaggcagttg cacctgcagg ctgncctttc cagnctacgg    420
gccggggcca cngggggcaa gttg                    444
    
```

<210> 1124

<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 1124  
tttttttttt ttttttttta tattatttta ttttttattc aattttaata tggtttccat 60  
tattaacttt taaaacaaaa tgatttccag tttaaaaaac aatgcactga ccacataatt 120  
ccttttttat tttacacagt tatacaaaata ttctaaatac acattttgtg ttcaagatga 180  
tggcaaatag ggattaactg tacagtacat ag 212

<210> 1125  
<211> 424  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1125  
tttttttttt ttgttttaac ttcgttttgt tttattttac attgttttag gagcttacac 60  
aatcagttct cccttgaatt taaggataaa acttgtcttg tttataggaa aattggtctc 120  
attggataag atcaaaacaa atcctatata tttttgtcct agctgtcagg atgttcagac 180  
ctaacttagg cattcaacta tattaatact tcccagatgt cagccacatt catttgcttg 240  
ttatttttta aaattatatt aaaattatgg cggtaaataa aaatgtactc acatttctcat 300  
catgggacga tgggttacgg gtttaggctt gtaggctagg tggaaaggcc aaatttggtg 360  
ggaaaaggta ttggccnttt atggggnggc ctggtttcta actaggcctt tggccaattt 420  
tttt 424

<210> 1126  
<211> 397  
<212> DNA  
<213> Homo sapiens

<400> 1126  
tttttttttt taatgatgtt catttattta aacgatctgt atgaatttgg tgattttgtg 60  
gatacgcccc tgacagacaa ggattcacag ccgacggaag tcagggaggc tccctgcaaa 120  
ttcttcatct ccgcggggcc tgcccagacc ctgatcctgc agagccgtgg ggctgaggta 180  
gccgccggtt gtggtccagg gagtgcgtct ttctggatgc ggggcacctt catttcaccg 240  
tagcaaccgg gtacaaaag tagaagcgga tttttgaaa atgagtcatt aggtcccaaa 300  
gagaacctat tgcaacatgg gactccataa cgttcttgag gatcatcctg aggaaactga 360  
tgttctctcg ttagacaaaa atggcacgat tttgctt 397

<210> 1127  
<211> 413  
<212> DNA  
<213> Homo sapiens

<400> 1127  
ggttgtcatt tattgttttc aacactatct tcatgacctg tttgtgttca gagtggctca 60  
cagataagga aacatttttg cccagtctta agttcatgga agataatagg aagagtaatt 120  
aactgcagca aaaggtttag acaaaacatg gcattatcag ggcttgaaag gactttattg 180  
tggctgtggt gaagcaggcc ctgggtcttg gcagatgata ccagaagggc actgagtgca 240  
ggcgtgcaac ttgaatttga tcccataaag tcagggcatc aggaagccat tcagaatttt 300  
tcaccctgtc agatgctcag atttgctagg agaactctgg gtagtgggca agaaccagag 360  
ctgttacttc aggaattggg gacagagggc atttttcccc aaaaaaaaaa aag 413

<210> 1128  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1128

```

ggtttccttt ttggtttatt cttggattgg gcctaattta ttttttatat ttcaaaaatc 60
tttcattaat aattattcca ttaggggttta gtaactacag actcatttac taatgattta 120
ctatgatacc ctaaaaatag agaaaaaaccc ctagaatatg agcgtatgca agtaagtgca 180
atttaataata tgaattgcag aaaaatttta aacaagcttt aaaaatatct ctaaaaggag 240
gcttaaagtt aattgctgta gcctcctgtc atccacagag aagncaaaat tttaaaaaca 300
tcaaacatac tcaaaaacag ggcaaggctg gganagggtta 340

```

```

<210> 1129
<211> 333
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1129
nacattgtat ttatttttcat gttttacctt ctattgatgg caaatgagac tggttttcca 60
tttacagaag tgatacaaaa gattcctgtt gcaataattt cattaagtga ataatgagcc 120
aatttaaaga aaaatataaa gcaaataatt ntacagatgg naaactaata tggcaaaatc 180
actaatattc aaggctgaag tttggccggg catgggtggt catggctgta atcccaacac 240
tctgagagat ggggatgagt gggctctctc gagcccaggg nttaaagac cagcctgggg 300
caacataggc aagaccctgt ntctaaaaaa aaa 333

```

```

<210> 1130
<211> 449
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1130
ttttttttcc catcttaaaa cagtgnaaac aggtaactta tgctttttaa acaccacgac 60
cccttcccca ccccccaaag tccctttcct ctagtatctt gggggaaaat ctgcaattct 120
gcaaatgtta ctgcgctaga ggttgcaagc agcggagAAC tggctgaact tggcaaaagg 180
caaggactgg tcaaagcttc ccctttctcc tcttaaaaca tctaagtgtt ttcagtcctg 240
tcccttggtt ggccttggtt tccctgccaga gggaaggggg ttcacatgc ccttcttgca 300
tatccttggg gttgcttcca tccctgtttg atgtctccct catgtctggg aagctatata 360
actagttaca ggatggtagt gattaaccca cttattctgg ctagatctct agtaaaagca 420
taatttttaa ggttaaggag cagtttagg 449

```

```

<210> 1131
<211> 398
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1131
ttatangcat tacntnttta ttcaagctcc acaataacgc agcaaaatac atactgattt 60
catatcacca gcgaaaaaac catactcaaa taagtttagg aacatccaac taggagtggg 120
tggaacaaaa cctaggcttt gactccacac accacactct actggatcag gagaatactc 180
tgatgaggtc tcatttccac ttgagtttga agagcctgtc gtttgggatt tctaggaata 240
tttagtctaa tgattattcc tttctgtagc ataggatgat gccctcacia aacagccagt 300
gtgggttaat tactacacag ctgtcagctg ccatacatcc taataccnat tatttaatat 360
gcagttaaca cttggnggct tggntgcttt acaatggc 398

```

```

<210> 1132
<211> 446
<212> DNA
<213> Homo sapiens

```



<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1132  
 agcaaaagac atttttttatt gagaagtgag gaaacacaca gatcagagaa gcaggttcta 60  
 aagggatcgt atccacagtt attcttgtaa tcaattagcc agaatgaatg gatgttctca 120  
 acagaattct gggacaagaa tgaatgagtt cccacatttt ctggttcatg taaaaatgaa 180  
 ttacagactc aaaattctga aaaagagatt accattatcc aacaatgggt aaaatgctca 240  
 cctgtagcta gtggaacgga tacctgaaag aactaccac aggaagcacc ccagagaggg 300  
 gaggtatttc tccagagaaa acaggggtgc tcatgtcaat caatggacaa caggcatggg 360  
 aactgcaaaa tataataaac gttcattata atgagttcct cttaagcggg cccctgtna 420  
 ttaaatgccg gttctgctta tngaaa 446

<210> 1133  
 <211> 357  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <223> n=a,t,g or c

<400> 1133  
 tttttttttt gctgacttta attacaaact ttatttgtca atacaattca cagtttatac 60  
 atggcgcatt ccaccatata aattttcggg acagttattt gaggaatgg gtgtagcttt 120  
 ctttctaaaa gagcctgact ttctaaaatt ttggttgat tttttttaac tttataaaaag 180  
 tacttttaac aaattaattg aatatttaca tttctagctt aaatttaaatt tttggaaaat 240  
 aagcgtctat tagtttattt ggcttctttt aaaggattcn ggggtttatt tttccagga 300  
 cccaatccg gatggcncc ttattccgga taccngctcc ccacccccca ccaccac 357

<210> 1134  
 <211> 410  
 <212> DNA  
 <213> Homo sapiens

<400> 1134  
 tttttttttt acaagcatgg atagtattct tatgtaaagg tagtatcaat gagaaagagc 60  
 tggaagacag acctagctgt ctgtcaggta gaatgagggt gaaggagatc taggatgctt 120  
 caggcattgc gcttgaactt aaaaaacagg atcagcaggc cctgacttca taaggcccat 180  
 aaatacaaat gactagctcc ctttctcaag gtcattgaaa atatacagta gtttcagaca 240  
 tcacatgggt ttgggcaaag ggggcagatt tccaagctag gtcacttaat ggtatctctt 300  
 gcctcaaaat agtcccatca aactaattt aaattatttc cacttttgtt ttaaagctta 360  
 aggttctact cactggacat taatttgagg ctaacagcaa tgtgttttgc 410

<210> 1135  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<400> 1135  
 tttttttttt taatgcacca ataaatgttt atttataaat aatagaagtg tacaattgta 60  
 caatatatta tgtacattat aaaacacaca aaaatagaaa tttaaaagga tgagattaaa 120  
 taaaaataat catcttaata cttcctcaat ggattgatca tctccacgcc cctgggatgt 180  
 atacaccccc acctgaaaca atagccctaa agtatgtcaa tgattgttat ttgggttttc 240  
 agctcagggt acagaaatat gtacaagatc gcatcttttt aagttttgca aaatagccct 300  
 agcatccaag tttaaatggg atgaggaatg cttgggtgct aacttcttga ggacatattt 360  
 gggactaatc cactacacag ctgggtaaaa tgtcgttatg ggttccacca acagttattt 420  
 tcca 424

<210> 1136  
 <211> 340  
 <212> DNA

<213> Homo sapiens  
 <400> 1136  
 atctcagaca aacattatgt atctttatct aaatttgcaa atgaaaacaa cacatatttc 60  
 atgttagttt taataagaga ttccctatcc tctgccccag taaaacctaa ccaagccagc 120  
 ctgacagggtt atatcaatac agggagctgg agtgggagcc aagggtggtg ttagataggg 180  
 gtggggtaca gatcaagggg gcctgggaga ctgagtgact ggaagtctct gccctcact 240  
 cttgggtgag tagctaattt cagcagctgg cttcataagg aggagtcagg ggtgggtgga 300  
 ggctcctccc aattccagat ccacttcttc ttctccttct 340

<210> 1137  
 <211> 416  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1137  
 ancntttann nnttccaagt cattagcttt atttttactg aattcagcat gggatgacaa 60  
 aaatgcatta tatcactacc atccattatt acatgtagac atttatcctt gtattcttta 120  
 tatgtccatt ttctacgtta aatctgttaa ccaatactaa ttnaaattac atgatttcct 180  
 actaaaaata tgcagttcat ataagcaagg gcaataaaat cctccttaaa acattttatt 240  
 cttttataat tgaggaactt aacagtctta atgggctagg ttcttaaaaa atgtttatag 300  
 ggnttaagggt ttatttaagg ggaggccggn caaacaaaac atattgtaaa actaggtatt 360  
 ttcccggagg ccatttcctt tctcttcctt tcttcccggc aaacnggggg ttttta 416

<210> 1138  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1138  
 accaaacaaa anctttatta atgcattgac aatcagtga gacaatgaaa acccaccact 60  
 tttgtccgtg aactgagaaa gaaaatggca atgtcatatg gcattaatga tgcagagat 120  
 ctatgggtgt agtgtcacgt ctaggcgtgt agtaatccag tcttcggcct tactccaggg 180  
 agaaagattc agctttgtta ctttcagtc actctctccc gtaacacagc accttgggca 240  
 cagaaagcag agcgnccaaa acccaggant gagggacagt taaaattcaa cttcaaggct 300  
 acagccatcc caacgggtcc tncccagctc ccgcgggatt ttttacc 347

<210> 1139  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1139  
 caggaggtag gaggagattc ttaaatctct gaagagttct gggctggggt tctgggaggc 60  
 aaggggctgg aaaatttggg ccactgattg gtcagggtaa gggagattga atcattagga 120  
 tatggaaatt gcattctttg atgatttagc ttctggtagg gtccttcaga ccagctgaca 180  
 tcagtagttt catcagtatg caggacctga aagantntct cgaagggaaa acttagcatt 240  
 tcataatgtt caagctgtta tctntagagg cagttaaggg gaactataat cttntaacag 300  
 actccacata attctgaagg caatagccna acaactttga gggaggggtc agccagcaaa 360  
 gtgacct 367

<210> 1140  
 <211> 260  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1140

tcccacacat attccaaatc ttttagggga gtaaaagcag tgaaaataac aaaattatgt 60

tccacatgcc caagtcacaa aatgtattaa atatgataaa gtagcggctg tacaaaattg 120

gacaaattga caaataacaa tgggtcagga aactgtatc tgtttgatac aggagtata 180

ttgaaaangg gttctgtttt tactttctct tatttgtcat caaaaangaa aattgcatct 240

tccataaaca ggattccagg 260

<210> 1141

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1141

ttgtttaatg aaacacagta taagaaacta gaaaatatta cagngaacta tgcatactga 60

tgctaagttc tgttttattt catatacatg tccattttat atcacaaacc agtaaaaaaca 120

tacaaattga taaatgtata ancacattgc acatnggggt atacatgtgt tatgttgggt 180

cataatgtat at 192

<210> 1142

<211> 353

<212> DNA

<213> Homo sapiens

<400> 1142

taaaatgatc ttacaatgtc aacatcaatg ttaataaaaa tatataatag gctgaattca 60

tcaatgatag aataagttgt aattcacttg gaggttccat ctttcaaagt aagcctttca 120

tagataaatg aaaatccttt atttttaga atttttaaaga ttgttaaagg ctgggtcaag 180

gcaaagccac ctctattaga aggggaaaga aaagcaagat gaaacaaaat atgttatcat 240

acatatcgcg tgtgctatga gcatctttct actcctgcc gattgaaaat tctaggtttc 300

aacattcttc aggatttaac aagtcaaat aaaagccgga attcaaatct agg 353

<210> 1143

<211> 328

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1143

ttataaaacca ccatttggag ggcttatgag caatgtaagt ccacctcatc taattaaacc 60

acattgtttt aaaagcttga acagttttca tgctataag acttgtctga ataataaact 120

gctagagcca gaattctgag tgtctttgga gagccagggg ttttatctgc tgagcgcaag 180

gggcccaggc actcaaagag ttaaagagtg ttcccgcatt gctgggtagg gttaatatca 240

cagctgcctg ggnaaaggca ttatccccgt acctcacttt aacaaaagcc tctttttggc 300

aaacagactc ccactttccc cgcaaggt 328

<210> 1144

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1144

gctaattaat agctttttat tttctcattg taatattttt gagctccaaa ttattacagg 60

aaaattatgc	cctaaactcc	aactttttctc	ctatcttttt	tcggatgttc	tgacacaatg	120
acaaactgag	gcaagacatt	aagcactata	tcatctgcc	gtctgtttat	aggngtacct	180
tcaattcttg	aatgttctaa	cttctaggca	gcagantaac	aaaagggcaa	ccctggggct	240
tgggcaggct	tcaaacaggg	aaggaaaggc	aaggggctaa	ggtacctagg	ccaggcatag	300
gctcagggct	ntggaaaggg	caagggcatg	ctaggggaaa	aaggggagaa	gntgg	355

```

<210> 1145
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> n=a,t,g or c

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<400> 1145						
gtagttgtaa	aacagatttc	attgtgttat	acatcacttc	ataaagtaag	catagtcccc	60
attcttccac	atgatgcttt	ttgcagcatt	gtaccacaga	ataatgactc	cctaataact	120
cagctgaaaa	atatttagat	ctacttgctc	taagnntaag	gncaacatta	aacattctca	180
gatgaaaagc	ttgctggatg	aaatagtgc	ccatcagaat			220

```

<210> 1146
<211> 319
<212> DNA
<213> Homo sapiens

```

<400> 1146						
tttcacagat	acatatatat	acttttaata	ggaaattagt	gtcaataact	ctgccctttg	60
tgtgggggaa	aacattcttt	tatacaagga	tttttaccta	gctattacaa	tagtttaagg	120
taatgtacaa	tatatatttg	acacagagag	tgttattaga	tgttcgcact	gcataaaatg	180
aatcctctag	cctttgatgt	cttaaaaaga	agttttacaa	ctattagtga	agctaaggca	240
ctacatattt	tccttccaca	atatggattt	gtgtcattta	aactgaagaa	gttggatctt	300
tgtggtgatg	acaggggat					319

```

<210> 1147
<211> 299
<212> DNA
<213> Homo sapiens

```

<400> 1147						
tttatagagg	agactgaaaa	agataattta	ttccatcaga	ggcatcacia	ttacagatta	60
cagacatttg	caagtaaata	atatgcaggg	ttagagcgct	gcgttttaac	atttaacatt	120
catgagtaaa	cagagatggc	cggtgggtaa	atatcttgcc	aaggtgggtc	cttgtattaa	180
gccttttgag	tctaagatga	caaacccta	ggggtcaggt	ggtttttccc	gcacgaactc	240
ttgtcaatga	gaaatccctc	agcccctttt	gtcttggggtc	tcacagctcc	agaaggtga	299

```

<210> 1148
<211> 362
<212> DNA
<213> Homo sapiens

```

<400> 1148						
ctcctgggtg	acctgtctga	ccatggctgg	agaatcagca	cagcactccc	ctagcctcac	60
ctcttcccc	atttggtgt	ggaaatggag	aaacacagtc	acctctgaac	ttctaaacct	120
agaaacagaa	ggagactgta	cacaggggaa	tacagaaggc	agtctgggat	gatgtcacta	180
tagaatgact	gatgaaaaat	gcagattgac	tgttctgacg	ctggccttagg	gcctggggct	240
gaagctgggg	accttgagca	agggcctttg	actcctgtga	tctgtttgcc	atgttgccaa	300
tgaggaatag	gaacctgctt	caaggatctt	atgaggacca	ggggaggagg	gggtatggaa	360
ag						362

```

<210> 1149
<211> 342
<212> DNA
<213> Homo sapiens

```

<400> 1149						
tcaatttctg	tgcaaaactac	ttttatttat	aaggaaagtt	tctctatttt	gtttataaac	60

attaaaccag agctgtgtga aggcacttaa ttggggagag gtggggcagg gatcctggta 120  
gagaccaatg tttcccaccc agaccccaag actgctggga gagatgggtg cagcagtgc 180  
tcccaggaat atccagtggg gtggtggccc atcccaggcc cggctgggag tatggctggc 240  
ttgctggggg atgtgatgat ggtggtaggc atgggaggca ctttggacgg gatctgattt 300  
ggcaaaagga agtggtttcc tgtccccagt gatttccagc cc 342

<210> 1150  
<211> 415  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 1150  
tagagacagg gtctcgctct gtctccaaag ctggagtgc gctccatcat ggttcaactgc 60  
agcctccgnc tcccggggtt gagcgatcct cccatttcag tgtaaccacc attcttatct 120  
ctatcaccat agattagctc tgcattgtct tgaacttcat ataaatggaa tcatgcatag 180  
ataggctctt ttgtgtctgg attctctctg ttaacactgt gtctgtgaga ctactcatg 240  
ctgtgtgtag tattatgctt catccttttt tgttgttgca tagtattcca ctgtataaat 300  
ataccacaat ttatttgtct gttttcccaa ttgctgtgca tttggggatt gttttgggtt 360  
ttcacctatt ttggaataag gctgcctagg gaccaccctt ggtatagggc ctggg 415

<210> 1151  
<211> 460  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 1151  
acattcatct tttattcttt tcttatgaat tatggggggt ttcttggtac ccatctttta 60  
aaggactcca ctccattttt ctgctgtctt aatctgttat ttctgtcttc cattgccttc 120  
tgaaatgtaa cagttgcact tttcagctga aaatcatctt tttcaatctc agaggatgcc 180  
tttttcagggt atacaataaa taccctctcg aatcttaatg ggcacacaaa ttggagattt 240  
ttctaaagat ttctgttgat tctgggtagg gaagtttgtc tcaaggggaa acatttgtgt 300  
tgattccttt atgaggaact gctgaggtct tttcacaggg cccatgggtt ttctccctt 360  
ctcttattct atatttgtcc catccctgag ggggtgagga gggggagccc tgtntcccaa 420  
tcttcagggt gccaggatg atggggagtg gggagagggg 460

<210> 1152  
<211> 298  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> n=a,t,g or c

<400> 1152  
cttcaacaca gcagaaatth atttcccacc caggtaagggt gaccctgagg taggcagtga 60  
cttctgtcgg cagcgaacta ggccctctca ccaggctgcc ctaccgtgct cagtgtctgcc 120  
tcatgggtgca aagtgggtgc tgagctccag tcatcacttt agccngcnga anggggaagg 180  
gnangggnaa aanntttccc cccnctngg gggatttctt tncnncccc cagtnaggat 240  
tttngtttta ttataaggna agaagagaca gttagcngag gcttccctgt ccaccagg 298

<210> 1153  
<211> 436  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

<223> n=a,t,g or c

<400> 1153  
ttangtatttt tgaatagcat ttgatttatt tttttctctt gtttgagaca gggtctcact 60  
ctgtcatcca ggctgagagc agtgtctcag ccatatctca ctgaagcctc gatctctcgg 120  
acttaagtga tcttccact tcagcgtctg gagtagcatg tgcattgccg cttgttcagc 180  
taactttttc acttttttgt agagatggga tcttgctatg ttgccaggg ctgggtctca 240  
aactcctagg gctcaaggta atcctccgc ctcagcctcc cgaagggtgct agggattaca 300  
gggcgtgaac ccaacacatc tgggccagta ttttatttgt ttaacaggca attctggggg 360  
atcttcccca ttatggctgg ggggagnctt cttggtccca tgggaattccn ggcattgact 420  
gggggggttc cntggg 436

<210> 1154  
<211> 552  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1154  
ttacaattga aacagggtctt tatttacacg gaagcagaga gacagagggg tgagggcagg 60  
caccacaaaa gtgacttcac attcaccaat gtttcagtgg cttctaagac cacagcagan 120  
gnatncntg ggactcacag ggtatgaaaa tgtgttacc tccaaagcct caaaacaaaa 180  
gggttggtt aaaaacaaat accaagtgtt tctggcatca gttgaaaaag atctgagaaa 240  
gaggaactat tgaatgtcca gaaaaatcaa agttctggga ggctaggaaa tctgacattt 300  
ctctgataga gagatcactg ggtcatcagt tcattttggg gaaattcttt acagttaagg 360  
tgatgtgttt cctttcattg gtaaatataa caggagagg catcattatg gggatacatg 420  
cagggtcgt gccgaattct tgggcctcga gggccnaaat ttccctatag gtgagtcgta 480  
tttaaattcg gtaatcctgt ccataggctg tttccngtg gtggaattgg ttatnccgct 540  
tcacaatttc ct 552

<210> 1155  
<211> 472  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1155  
tttattgaca tgatgcaa atctttattc gtacaaataa cattcaagca tatcattcag 60  
tggtgcaata agttaagata agctccttc agagatgctg ggaaaggctg gcttttgctc 120  
caaacattg ctccctaatt ttggctcctt ctatacattt ccactaaaag cttgcccgg 180  
agcaagaagg aagcttacc tgcccacccc tcattgcccc tgggtcctgt tcccccttc 240  
aatgctagca gtaggggcaa gaggggaggt ttattttcaa cgtgaaactt taactatatt 300  
taattccttc taccaaagcc tgcattaagg gctaaatggc atttacaaaa cattacatac 360  
ccgcaactg ttgaggatag gtgaggcatt gtttttaggc tatttcattt ctttnggtca 420  
aaaaaatata tatagggcct ggaaaccttc acttaggtgg gcggatttta ct 472

<210> 1156  
<211> 495  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1156  
gtggagatgg agtatgtatt tattttacaa aaataaatca ccatcttcgg accatttgta 60  
gactggaaca tttcgagcaa tgagtgcgcc acacggacga gtgccttggg gactccctga 120

tgttcgcgtc	acccccaggg	ccaccttggc	gcccgcacga	gcctcgnttc	ccactcccgg	180
cctccaactc	ccttcctctg	cagccgccat	tcaccttctg	ctgtttatct	gtctgcagan	240
gcctgggaca	ccggaagagg	cgattccctg	agcgccctgg	agttggagac	aattcctggg	300
tcagaattta	aacatctttc	taggtaagcg	ntgctccaaa	actcttcgcc	gcgtgggact	360
tttgcaccag	ggcggttggg	ggagganttg	gccctccacg	gttcctgggc	aaccgcggcc	420
tttttgaaag	aggttctggg	caatatatta	cttcggaggga	atttggaatt	ggattccttt	480
aagttcttnc	cctgc					495

```

<210> 1157
<211> 252
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

<400> 1157	ttnttttttt	caccaattac	aaaaaggctt	tattatatct	tgccaaatgt	taatcgcttt	60
	cattatgtct	ccaaacatta	tttcaccact	cattttttata	acaagtgcag	tgaagatatg	120
	cttatcgaat	attgtacaat	actgttgtgt	tctgtaacac	tctttcggga	acagcttaga	180
	tgtaggtaac	aagagatgcc	ngcgtatgaa	agngcttcat	aaactgtact	gtataaatgt	240
	aaactactac	cc					252

```

<210> 1158
<211> 422
<212> DNA
<213> Homo sapiens

```

<400> 1158	agcaagggtt	taatggaaag	cataaaacac	tggaaatatg	gacagaaatc	agattattac	60
	cctttttatt	ttttccctgc	ccctttcaca	atgagactgg	aggggattca	agaaccactt	120
	gaaataaagg	cgaaatgatt	agattttttt	ctcctaattg	cctaacgctg	atgtcatggg	180
	gtacgcaaaa	tcaacattga	tctctaagtg	aaagaggaga	aacagaacaa	catcaacagc	240
	ctttcgaggg	aaactgtggg	gccagaatct	atttagggca	acccgcaggg	cccaaatctt	300
	ctggaaaagc	ccaacagtgg	gagccagttt	ctggatgctc	ctctgttggg	tgatctggat	360
	ctttgagtgg	ggggaaatct	ggtaggaaa	cagcctcctc	gaggggagcc	ctccccctgg	420
	gt						422

```

<210> 1159
<211> 397
<212> DNA
<213> Homo sapiens

```

<400> 1159	tctttattgg	aaggaaatgt	gttaaagaca	gactcactac	agtgttgaga	cagtagtgag	60
	tagcacagta	aggagactgc	ccaggacttg	aggtccttgg	tccctctata	gaagtatcaa	120
	gtgtttgtaa	aaggtttagc	acccatgtga	cagaaagaag	ccatcatcct	cttaatttct	180
	cttgggtttt	acttaatata	tagaaggggc	aactagtggg	gcctctgagt	gcaagatgag	240
	ggacttcatt	aggaataaag	ncatattgcc	tctggggntt	ttctaacca	taggctccaa	300
	ggagccctca	ggtgtcagga	acataggggt	aagggggact	tggatttact	gaggaggacc	360
	ccctaccctt	accaacatcc	tgtgggggaca	ataggag			397

```

<210> 1160
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1160
tttttttttg ctatcaatat atttattatt agcatgacat attatgaaaa attattttcc 60
aaagacttag ccagtaacac tacaaaaata gaaagcccggt taattcctgt gaattttatct 120
gtgtgtgtcc atgtccagta attattttcac tgtctgtctg aagtactaac aatactaaat 180
ccaatgctcg gcgccacgct gcaatctttg gtgtaacaac gtcataaact ctcggaatct 240
gctccagttt atttgaaatg tctgaattaa aaattctact atttagttta ctatattcat 300
tcaagatgta agatgaagga gagccagagt ctgtggcatt ttgcagatga tgttgaatgt 360
atgtgctggc ttcaaattct ggatgagtaa ttggcagtggt tatataggag agttggaaag 420
gtatttcngc catc 434

```

```

<210> 1161
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 1161
taaatgaccc aagatataat tctgattgtg gtctggatca taaacccgca tcacatttta 60
aatgtctatt gtcttgaga caataagctg ttttatgggg gaatgggtgg gtggaaaaat 120
gggagcaggg cttctgaagc tgactaatac ctgaagaata cggcaacgtg agaaagcact 180
gacccggctg ctttggtaaa tggaagaaaa tcatctcagg gttgctagga acatgggtaa 240
gaccagactg tagaaagatc cttcaaaaca aaacagtttg ccattccttt aacaattact 300
aaccgtcaag aactttggaa ttgtgccacg gaagacagag cttaagatgg ggtggagccc 360
tttacctccc acttgctccc ctggggc 387

```

```

<210> 1162
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 1162
ttagagttgt gagtgaattg catttttatt tacgtttaag agtctctctc cctccttgtg 60
ttctagtctg tgaatggctc acacttggtc ttagtgtagg ctccatggg aggagcgggc 120
ggtagtgaga atcttcatca aatggagtaa catgacccaa atctctagag gtttcataat 180
tttgctcttg cttctaaaaa cataatcatc tcttatgggg tggtatgtgc tttgtatcct 240
gaaattttcc acttgctgct tcttggtgtg aggcgagaaa tgccaccacg tgaacttgca 300
ggaggagact ggtggaagcc acagggctag gccttcactt cccagtgaca ctgttcccaa 360
ttccctccag gataagctga gactcctcca ggatgtgggt ctgcagcaga tgaggtgcga 420
acaaagcctg ctctggcctg ggcacccagg atggcactga gttctaaaag g 471

```

```

<210> 1163
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1163
tttttttttt tttaaaaaa gcaacaagag tttaattctc tttttacatg gccacaggtc 60
tcttcagtca ggggaacttc agctggtgcc tctctcttgc agctatgagg cgacagtgtg 120
gtgacatgcc tcatacagac tgtcccagta agccaggaca agtcaccatt aaaatcttgc 180
atgaacagcc ctgggcacgt gggaatgtta agaaagagcc accgcctcct tagtcagctt 240
aaccacagct ccaaacgcag tttgtcccag ctggcaaacg cctcaaacac caatcatgcg 300
tcgtgctcct attctgggtt ctttataaaa cacttttata tagcgntata gatagcacag 360
taaatgtgct tctgatgcac tctaacatag aggacaggaa tacacactgt ggggcgcgc 419

```

```

<210> 1164
<211> 385
<212> DNA
<213> Homo sapiens

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<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1164  
 caatcatcac atctgtgtat tgtctcaggg tcaatttttc agtaagaatt ccagacattt 60  
 ctcttcgttc acattacagt aaactatttt tcaatacatt tcctccttga ctttcaaggc 120  
 ttgaaagtca aagactttcc tttcactaga tctcataagt cataactgct ctcaaccaga 180  
 tgcaggagta attttgtata aaagaacaag ctttttaaag tccaataact gtatcttttg 240  
 gggaagggtta aaagaatggt taaatacaaa aaagaaaagta aaaaaaaaaa gagagagaga 300  
 caaataactc tcctcctaga aaaaaagggc ctgggggagcc ctggggctagg gcngggccagg 360  
 ggaggggaaag ccataaatag ggggg 385

<210> 1165  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1165  
 ccctccacaa cggaggattc ataagagcag gggccctggt tgttttggtc atgctatatc 60  
 cccagacctg gcaccaatta ggtgacaata catatttggt gaatgaatga atgagaatgg 120  
 tagtcttttg gttcccaggt ttattgacaa ttactcatct atttttgact ccccgagtcc 180  
 cagctcccaa actcgtcttc cctactccag gcttcacggt agtcccagaa tgtaggaagt 240  
 gggacaggat agactttaac atcaccagc cctctgggtt ccaaagcatt ttttttcttt 300  
 aatgcagtaa aaccatttct ttaaaacca aaatctctca tgggaacccc tacgtatcaa 360  
 atatataaag caggagctgc ccttggtcag ggataatatg tgggggttat ggctctaaga 420  
 aacacagttt gacattcact gctctcetta cttcagttac ctcatggtat agataaatgg 480  
 ggctgggcn gaagaggg 498

<210> 1166  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1166  
 gttttttaac attttaattt caacgtgcc aatttggtcc aaatgagatg atacaggcta 60  
 gaatgcacgg cggaattcca gactggactc actccataag ccaactcatc actgcccgtg 120  
 aacatgaatt ctggctctca gagaagctga cattgtttcc ctgaacattc ccgtgggtctc 180  
 cctctgaaag ccgatgacca tccaaccctg actcacctga aatatcctac gagcatcgcc 240  
 ctccgagact gacgattatt aacca 265

<210> 1167  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 1167  
 aatcaaagta aattttatttc tgaattacat aaggatcatg aaacagaaac attaaacttc 60  
 atgttataaa aacagtagta aaatacagta cacaggaatg tcaattgaat gacaacaatg 120  
 aaagtacaat agcaaatgaa aaatagtaac ttttaacttt aaatacaaaag tgaagcaatt 180  
 taatatgaaa ttttgtaaat aagaaaaata tatgtcccat gtctttatta catactgtac 240  
 aaaataaaat attgcacctt tcatataata aatatataca aagagtatgt taaaaatcga 300  
 tctttctttt aatttaataa ccttcaacaa tcagatgtga ttggatgatt aacaactaat 360  
 cgggctgggt gtgtcctcct cactgtcccc catccattcc caatcaccaa accctccaca 420  
 tacagtagtg ctca 434

<210> 1168  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1168  
 cttccaccag acattaattt taatgagggt actcaagatt tcccccttct tcaagcattc 60  
 caggaatcag atggaggaag atagggtaac atcatcttta tcaaataattt gcaaacatta 120  
 tatagatagc tggaaaagcc tgtgcatggt cgaatggaag agatgtcaca taaaaccgaa 180  
 taactgagtc tcataatatt taggtcttga atgaagttag gccttgatct gcttccagcc 240  
 agttgatctc ttaattatgt aggctgtgca acaangtttt tgggttctgtt ttatagtttt 300  
 cttctctcgc attcctctag atttaatata ttccctgatt tgggtttaca gatcactgct 360  
 tttcctccag aataagccaa tgtggataag ggagaccaa gggaa 405

<210> 1169  
 <211> 421  
 <212> DNA  
 <213> Homo sapiens

<400> 1169  
 attctatata gatataattt ttattatttc tcaatttaag caccattcaa ttcttctgga 60  
 tccattctgg ctggaaaata tccctaaatc cacaggatgt tatctattta atggcacatg 120  
 ttaactgaaa atgaggtgga tttttttttt aagaaaagac cttaaattaa ttctatctta 180  
 catcttaatt ggtttgtctt ctgagccagc tcacaatgtc aatgcaattt ctagtgcagg 240  
 tgtctctgag tgccccttga ccacaccccg aggattgtgg cagtgtcctg gccatgtgtc 300  
 ggaaggatcg aagggcagca ggtgcagcct tgctctgcac atgggacagc agctgggctg 360  
 gtccaccgcc acgcaccttc agcagtgtac ctccggcaca agttccacca ttctgcttca 420  
 a 421

<210> 1170  
 <211> 206  
 <212> DNA  
 <213> Homoomo sapiens

<400> 1170  
 atagttgtgt gcaatttaat gaacacaatt aattttacca ccattttaca taaaaggaaa 60  
 ctgaagtgca tttcttaggg tcccactgta agttgagggc ttgagattcc aagaaaagtc 120  
 ttattttcaga gctcagtgtc ttgcccacaa cgcagcctca ctgctcaatc acattcttga 180  
 ggtttgattg gctgaaacgc acgtgg 206

<210> 1171  
 <211> 286  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1171  
 aaaatcagag actatttata ttaaataact cttcccttaa aaatggcctg accacagcaa 60  
 tgaatctgta aacacagagt aatatttttc ctacagtaaa gagtcacttt aatctcaaaa 120  
 gatacttttc actgttctaa atgacaggnt tttaagcatt ttttctata tataatacag 180  
 catcacttaa aattttattt aaagacagtt gattcaggcc tgccttggac tggaaagaag 240  
 tctttaactt agtgggatta gtgcttcagc ttgggtcccaa atattt 286

<210> 1172  
 <211> 284  
 <212> DNA  
 <213> Homo sapiens

<400> 1172  
 cccgattctt tccttttatt tgccaatttt tatgagtcag tgccttacia cttccaaagg 60  
 taaacatgag gcttctttcc ttaagcatca tcatgaactc ttagatgttc atttattcaa 120  
 cacaaactaa aaaaggaatg ttaagtctta agatatcatt aataactaact tgcattactt 180  
 gtttatgaag gattaatata ctaaatagaa tatatgctca cttttttata tgtagatatt 240

aattttacaag taattaacat gctaaaacat tttataattc gctt 284

<210> 1173  
<211> 348  
<212> DNA  
<213> Homo sapiens

<400> 1173  
caatgctggc gtgccattca ttgaactttg acctaatata tcatctggaa acctgttaca 60  
atctttaatt gatagcactg tggtaagtta atgtataagt ttctaaatca atcacaaacc 120  
aaacagcagc gggttccttaa accatgttta accagaaggg aggggacata atctgattat 180  
gcatgacaag aaaacaaacc ccattttag aataaaatac tttaaatggg ttaatatgtt 240  
aaaccagccc ccctcccaca cacacttttt aataatgggt taaacttttc cttttctgta 300  
aggccatagc tggttttctg actagtgtgc taaacatgtt tctcatat 348

<210> 1174  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 1174  
acacagaaaa aaaaaattta atattcaaca tgcaaaacaa cttttaaaag aaacatgaaa 60  
tcataaagca aagctaacag ccaaccaaca aataccgct agcaatgatt tccactggat 120  
gtgggagagg gttaataaag acgctgttgg taacgcgtac agaactatca ctggcaatca 180  
gcatactgag ctatccagtg gaggccagca tcgtgttttt gctaaaatac atgttgtaga 240  
agtcataatt catagtgaag aatctcaaca ggttttctta cagatttaat tactctcaca 300  
caaataattc att 313

<210> 1175  
<211> 251  
<212> DNA  
<213> Homo sapiens

<400> 1175  
cagggaaagg agagatgtgc ctggcatcac agtttattgt ttataaacca tgacaataac 60  
agctgttgct cagcacaggc ctagcagagc cactgcagg gggacggcag cgggcaccag 120  
aggccttgcc tggcccaacc caatgggaac acccagactc agctgggtcc ccaagggaga 180  
cttggcacat tggcatgggt gtgggacagg taaagcatgc aagagggaga agagggacat 240  
aaggggcatg c 251

<210> 1176  
<211> 321  
<212> DNA  
<213> Homo sapiens

<400> 1176  
aaaacaaaac attttattta atgcagaaat tctaaggtag aaaaacattt tgtaaagtgc 60  
agctgtgatc tactttcacc tagttacaga gttatgtaca aatcaagtca ttaacatttt 120  
caatgtcaaa aatacagcac gctgttaaga gttctgtcag tgctcattat ccactagat 180  
cccacaaagg gcaaactcaa agatgaaaca aaggcaacgc catcaataac caccatattc 240  
cacaggcttt ctcccctagg acgtactaac agggagtttc cacagggaaa aattctcttt 300  
taaaaaatta acagtaaaaa t 321

<210> 1177  
<211> 451  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1177  
tgtgttaaga aatttttatt ctttcctttg gatttgtgat gaaagcacat aaaattacaa 60  
gtggaagaaa catcatgcc aaaaattgca tagaattatt acaaaaatgt gaattatgca 120  
ttttaataaa tttgagatag aagaaccaa atatgtacat ttaagagct tcaaatactt 180





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aanccaagc anaagggtn gtttgaagac anaaagggga cccaaggggt ttggaagggc 360
acacaggccc acccaaggaa atttggcctt tttntttttt ttttttttta aaagnataaa 420
antgtttttt ggaaaaaaa gggaaaaaaa atttattata aaaaatntcc t 471

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```

<210> 1185
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1185
cctttcagtc tttatttgca gcaaactacc actttatatg acaggtttgt gtgtctgtac 60
acgcacatac acacacatat ccttaagctc gagacagggt gcggccttac agacaaaaaa 120
gtatggaagc ttggttttaa ctggtgttag agatcagatg gagaggaagt gcagcgggtgc 180
tcacctggcc gctcggttct tcagggagac agcgtctgtg gtgccgctgt cggctcanca 240
gcctcaccat cccccagggt gcatgctgtc gtggccaggc gcaaactacg gcgggacatc 300
cgtggagaat caaatacagg gtccaatttg tgctccgtct caaaatccag agcatctgaa 360
gaatagctgg aactggagcg catacgtgta gcccggtgtt tccggcacac actggggagg 420
actgtacatg tgaagccgag aaaaata 447

```

```

<210> 1186
<211> 246
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1186
gcaagataag gcactttggt tttaattcta tcagtctctt tagaatgaac gaaggtctgg 60
gtcctctgga aatctcaagt ggtgctgcct gcantntntaa aaggctgagc acaaaccat 120
cagagagcca cagtcctaag tagactcctc ggtgcgtctt gccacactgt ccatgtgcat 180
tcagatttct cattaaattt tccacagcat gaccagtggg gatgacctgg gtggccgttg 240
tntcca 246

```

```

<210> 1187
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1187
aattttgaaa tgtttatttc aaagagcgtt ggtaatttaa acgtcctatt taatccccaa 60
aacagtccctg aggggggagat aaggcagtta tcttcatagt acaggaaagg aaaaaagcga 120
gggtccaagg ccgactatac cctcagctcc attagcccc caggcctccc tgacaggcgg 180
ggcggacaat ccagtgagc atgctctgta tcgatcgcat gctatcgggt ctttcaagga 240
acgtgtattg atcatcaatt aagtgggtgag tactcctcta gatgtcgatt cttagcaaac 300
tgcggaact cctacagaca aaaactcagg tgtgggcgca gaagggccgg ggatgcgctt 360
cgggtcaagac tttgaaggtn cgggggt 387

```

```

<210> 1188
<211> 563
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1188

```

```

tttttggaag acatctattg cattttat tttt ctaaaagaaa aggcattgcct gaagggctcgc      60
attactgcac atttttaaaca tgggtgacagg ctatcttcta aacctcaagg aattctgctg      120
atgcaaactg taatgactat ctgctcctat taaacaagca agacatcagt gagcggagac      180
atcacaagcg gttacttcat ttctttctgt tgcttccagt tgctagcata gttgcaactc      240
gcataaatat atttaatgta tccatgtaga ttgtcaacat cgaattgatg ggatcatact      300
tttgagctcc atacatgggt gttatttctg cacgtttgat tactttctga gtatcataca      360
gaaggaacat gctgaaaaga actaatccac catacattgc cactgagtac agagtggcac      420
cagcccagga ggtaggggga agaaacatag accccngaga agacgccaag accagacca      480
ggccacttcc caggggtgct cccatgttca gaacttctca ctangcgcac acatnggcn      540
cagtagagag gcctcccnc ata      563

```

```

<210> 1189
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<400> 1189
gtgcagtggc gcgatcttgg ctcaactgcaa gctccgcctc ctgggttcac accattctcc      60
agcctcagcc tcccaagctg ctgggactac aggcgcccac caccacgcca agctaatttt      120
ttgtattttt ttagtagaga caggggttca ctgtgttagc caggatgggc tcaatctccc      180
aaccttgtga tccaccacc tgggcctccc aaagtgtggt gattacaggc gtgacacttg      240
tgcttgact aaaacaatgc ttctaaagc gcattctgca gcctgatgtg cctgtgaggt      300
gagaggtgtg ggagggacag aagctttgtt caaagaggtt tgggagaggc tggatactta      360
gctcccttct tgtaagtttg ccacacacat tggcatatta aaa      403

```

```

<210> 1190
<211> 323
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1190
gtgacatgtt ttttgcttta ttgaaattct ctcttacaaa aggtctgang tatttttaggc      60
caggcctaatt ttgctttggc cctgaaatg caggcccatg gtcatttcca tgtcctctga      120
agtaggtatg taaactagta gacttccatt tttaagggtc acacactttt taacattgtt      180
tttatttgat gtaaaacaag acttatgttg tccctaattg aaagaccaag taagagagtt      240
atgtgcgtct tcatggaagg gataactgga ttctttgcca gaaccgggtt gggaatttag      300
tttgttcaat gtggcatctt tca      323

```

```

<210> 1191
<211> 587
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1191
taatttcaca cttgtaggct ttatttcctc atctgtaaaa tgagaaagta tgatcaggcg      60
gcttctaagt cttccagcca aaaaggaagg taatttttaa tcttgacca ctgaggctgt      120
gtgtcgccgt ggaaactcca cagccaggct gcccaaagcc aaaggagcca ctactgcagt      180
tggtggctca gaatcctctg ctgccacctc tgctcctcaa gtggatgctc caaatccaga      240
agtggatttc atgcttcca tgttgaaaac ctaattcatt cataacctga gtaactggga      300
aagaataatt cttcagaatg gggcaatttg taaacttcaa aaaactgcag aactctactt      360
gcttatgttg tcctaaatgt ctaccataaa ttttaaatct ctaaaaaatt atagcaaggg      420
ttcacttcaa agtcttcatt gctgacataa cgtggctata ggtcctgctg ctctgggtgc      480
cctttccata tcacagaagc actagccgga aaaagctctg ggtttcantg attttactgg      540

```

atagagcaac tgtagtcac aaccaagag taattgggat catctgg 587

<210> 1192  
<211> 417  
<212> DNA  
<213> Homo sapiens

<400> 1192  
ttttttgcaa aagacaaaag aaaatatatt aaaatgttaa ttaatagcag ttttacagag 60  
gtgacaggat ttgggggtgt tgtttttttc tgttcttctt ccttgactga ggcaatacat 120  
tttgtgttac ttgtataata aaaaagtaga tttacatacc agaatgggtg attgggttca 180  
aaccacacag tccaataact gacgcattaa atctttattg actaacagc ttaaaaaatt 240  
actactatct ccttttattt gttgttgtga attttactca gaattaaaga taaatgatta 300  
gtaattacag gaaaactaac ttgtaaaaat cttaaagaca ttgaatgggt taatgtactg 360  
agcagctacg gaatgcaagg cactgtagga gtaggggtgag tatactcccc acaaggg 417

<210> 1193  
<211> 448  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1193  
gagacggagt ttctgtcttg ttgccaaggc tggagtgcaa tggcacgntc ccagctcacc 60  
acaacctcca cctcccaggg tcaagcaatt ctctgtctc accctcccga gtagctggga 120  
ttacaggcat gcgccaccac gcccggccaa ttttgtatct tcagtagaga cgggggtttct 180  
ccatgtttgt caagctgggtc tccaactccc aaccccaggc gatccacctg cctcggtctc 240  
ccaaagtgtc gggattacag gcgcgtgcca ccacgcccag ccttgggtgt ttttctttca 300  
gtcctccag tactttcata ctattctaata aaatatattt tgttggtatg aagctatgaa 360  
gcaaaaagtag ctattaccaa tgcatacata cagtacactg gttttaagtt ccacctcaa 420  
gtgaatctta gagcctgggt gtaagtgc 448

<210> 1194  
<211> 327  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1194  
tttttgacta taaaattgca agtctttttt tttttttaat aaaaccaaca taacagaatg 60  
tagaaatcta aacgaacatt tctccctcaa agtagttaca tccttagctc caacaaaact 120  
actattgttg gagacttatt tagaactcct gtttgaggaa aggccttaaa aggtgggtta 180  
tgagccacat tagaaaatac ccttctaaac tttgggctgt ttaaaaacag aaaatccata 240  
ctcagaggat gacaccgaga aaattaaaaa ggtgctgcag ctctcacgga ggttccnnaa 300  
agacctctag caagttctga gcaacag 327

<210> 1195  
<211> 446  
<212> DNA  
<213> Homo sapiens

<400> 1195  
atcaatgtca ggggccgttg tgtgtttctt gggggcgggca tgggtctcct gctcttcaga 60  
gtctgtgtca gagcactcag agcttccaat atcttctgaa tcagaacaag tcctttcctc 120  
cacttgattt tctaggagtg cagggaacct ctgaactcct gacaaatctt tcttcaatcc 180  
tgtaacagtc tggatatagaa tattatcttg ttgggcattc atggccatgt cctcttctt 240  
caatttcata attatgtcca tatccctctc ataatttttc acttcattca aggttctagg 300  
aatatatgct cgcttaaaca cctcttcac caccatgatct tggctagacc gttcttcctt 360  
ggtcctttga gatgctatct ccatggcctt tgagagataa gcatccatgt tctcatgggtg 420



446

<400>	1196									
gtgtttaaaa	ttatttttat	tacttttaga	ctttttctca	aaataattat	tcaaggaaat					60
atttcttaag	tggccagta	aaactgtaga	gccaatagtc	agttacacca	tattcaagga					120
caaggatagt	cagctataga	taggaactgt	ctaaaccacg	agaactgatc	tctgatactg					180
aagtaccag	aagtggctat	attatcactg	acttgaaaca	gatcttagtc	acccatgtag					240
catttaattc	aatgtttggt	tctttgcctc	atttctttct	taggtcacaa	tctata					296

<400>	1197						
aaaggttgaaa	ttaggaattt	cttttttatt	ggccactaaa	gtcctagcaa	gtttctgaca		60
gaagcacaga	cagaaaatgg	aaacaaatac	cttactggga	atgtttcctt	gcttgacta		120
accttgacta	cagcaataac	gcattgctta	acagtcaaag	tgcaccaggt	catttccgca		180
aatggcaggg	tgagtgactg	tgccgttccc	aaggaagcaa	aacagacaca	aacagggtcc		240
acgcgctggg	tgtctggct	gagtacagag	gaggctgcta	gaccggcagt	acccttttcc		300
caagtgagga	aagccagctg	tgacactctg	cttgccggca	ggggttcccc	accctccctt		360
ccaccatctg	qcccatagct	qtaccaccaa	ttacatt				397

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

<400>	1198						
ccttctgttg	agatggagtc	tcactctgtc	accagagctg	gagtgcagtg	tcgcgacctt		60
ggctcactgc	aacctccacc	tcacaggttc	aagcaattct	ccccacctca	gcctccaaag		120
tagctgggat	tacaggcatg	cgcaaccatg	cccagctaat	ttttgtaatt	ttagtagaga		180
tgggttttcg	cttagtagag	atggggtgtt	tgccaggctg	gtcccgaaact	cctgacctca		240
ggtgatccgc	ccacctcggc	ctcccaaagt	gctgggggta	caggcttaag	ccaccaagcc		300
cggccgacct	tcttctattt	ttccattctc	ctttccaaag	ccatggccat	gcgctcctgt		360
gtacagggtgc	ataaacacat	cagtgtgcc	tccttcacat	gcattgtcgtt	ccccaccctt		420
ccttcccagg	gcttctcttg	gtccagcgt	tcctctggga	ccctctgcag	atacagcctg		480
tgctggaccc	ccagccaggg	tgaaggctca	ttctgtctctg	tcttcccca	tgctcagtt		540
ccccaaaag	ctgnttcagt	ccttctagta	aggggctcca	tggggcaang	atcccttang		600
attaatcttc	cncttgggga	g					621

<400>	1199						
tttttctaaaa	aaattttttt	aatcagttta	aaagttcgag	gaaaaagaaa	atcaatcaga		60
aaagcaacta	tacccaaaaca	gggttatcca	agtgaacctc	tctcacttcc	ttagatggac		120
ttcagcttat	aggatgacac	gagatgcgag	taagaagcta	tttgcgcat	tcagctgcgt		180
gacttgtgtc	tgcgttgctt	tcctttcttt	cttctgtgga	ctgagaatgc	tagtgccttt		240
gaatttgtct	ttacaggacc	tgagggctct	ttgatggtaa	gagaatgaat	gatcattgct		300
gccttgagtt	ctgtgtgatc	cgtcaggcct	cgcctccagg	atggcaattg	tagcctgaga		360
tqacgtagcc	caagttgcac	agcagagttg	ctgttctgga	aacactgtgc	cgagtgaacca		420

ccgaccttca cagtgcctagt

440

<210> 1200  
<211> 381  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1200  
gccaatcggt ttgctttctat tcgttatctc agcttatggt tgaagataaa tccttacttt 60  
tagctttttgc cactttgttg caatagcaca ttntttcggg ttgccagatt tcaggcataa 120  
ttctcattct aaagcactat cattagtata aaggaaggac aaaacattca gtgactcccc 180  
tccgcnaccc ccatacccaa ccccaacact acctacacta aatctagtac atcaagttag 240  
cttttttttt tttcctgaaa aaaggcaaaa aagactttac attgcatcat acagcagata 300  
tcctaaatca gtcaaactat cagaggaaaac tgttggcgta cagctttaca aacaatttac 360  
cctaataaaa gttccccagt c 381

<210> 1201  
<211> 471  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1201  
ttttttgtaa gtaaaaccag tgagtctctt aaagacgctt ttccgactgt ccggtgcaga 60  
gaggggcccc gatcggtccc tcattcctcc tcgtcttctt cttcttcctc atcgctcctc 120  
tcgtcggcct tgtccgcggc anagttggcg gcggcagagg gcacggcgcc ctcgaggact 180  
gcggcggcag tcggaccttc gtccttatgc tctttcttcc acttcatgcg gcggttctgg 240  
aaccagatct taatctggcg ctccgtgagg cagagcgccg tgggcgattt caatgcggcg 300  
gccngtaciaa gggtaagcgg ttgaagtgga actccttctc cagcttccaa cgtncctggg 360  
tancccggtg taagggtttt gcggggcccc gtttcctggt caaagggtcc tnaagaacgg 420  
aaatccaggg gtaaaatgcg gnaaaattgg cttaaanggg ggcaatnaag g 471

<210> 1202  
<211> 447  
<212> DNA  
<213> Homo sapiens

<400> 1202  
tatggtagta acagtttcat tcagttttgc attttacaaa ttttaacaaa agtctttctt 60  
tttttttttt ctttacttgc atgtttgtct tttgagtgtg ttttcaattt gtgcattcct 120  
tagaaaatct ttgtgtggac tttggagttt ctccctgaaa tgtgccaggc gcctgagtca 180  
gacacaaaca ctcccttagg accttcgtca gaaactccac ccctgtgtgg aatctccttc 240  
ctctctctct ctccggagat gccacccgaa ttogaatgtg actgtgtgtt tctgctgaga 300  
ggtccattgt catccccaga tgaaagaaga gaccaaagca gttaccactg atggaagcca 360  
gtgaagatgg ttgggggaac tccttaacct ttcttgaggaa tgttttgaac gaggacgccg 420  
ggtccttttg ccagtcagga accagca 447

<210> 1203  
<211> 472  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1203  
ttttttcagg acacagtgca cttaaatgac atacagcatt taaaatcctt cagacaaagg 60  
tctgaaaaca gtcttttaac gcaagcctaa atcttcaagc acataaaatc tttctttttt 120

```

aagcttaatt tcaacatcac tggaagaaat acctatcggt aaaccctgat nngcattctt 180
aaccacttgc agccagtgtt catgaggcaa aacgtgaccc agagactttg ttcaagttct 240
cctcctaggg cgtctacatt cacggcggtc actccgtttc tgtctccttt tgtttggcac 300
ctgctggtgt gaggatcagg gcttgacaga tgtccgacag ggaaataata cccacaatac 360
tatctgcttc atttaccacc accaagccga tggaccctca gctcttacta ttctgggtcca 420
ggatggtctc caggaatttc cagcttattg gcacttnaaa aaacntttca aa 472

```

```

<210> 1204
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1204
acattattta cgttttagttt attgcagaga tgaagacagc atactagaag ttggcttcta 60
tttcacaccg ttcacagcac tcactctgtt ctccatttca tccactcacc catgcaaaag 120
gtctgtacac gcaatgatgt ctgatgtttc ttgggtttcca tagtgtaaca ggaaacttga 180
cattttcaatt aaaaaggtaa aatgaagaca ttaccatca gactataaaa ctctcttctt 240
gtaagagaat actatagtag ttgaagatat gatttgaaaa aaaatcatgt accaaatgan 300
aggggcacca tttcaagagc actaggacta catt 334

```

```

<210> 1205
<211> 531
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

```

<400> 1205
cgctccaaac gggctcttggc tttaatgtgg ttttcttcaa acccaaattg ctgaacattg 60
ctatgaacat aggtcatgta tattgagaca ctgattccgt tttatggagc cctgtggctc 120
atgacagggt aacgagaggg cacgaaactc cagtgcgacg tgctccattt tgaaagcaga 180
taaagctccc ctcatcagag tgaagaggaa agtagccctg ctggaataag gggagagcgt 240
accgcttgaa gacagggtgc tcagatgttt tcattccaag caagacagtg ataacagcac 300
agcactgctc ccattccctgg ccccttttct ttctcactta ctagggtttt ttgcttcatg 360
caaactctgt ggctggactt tgagggatcc agaatttagg atatagggcg ggtccttcac 420
gaggggaagt accgtggctc agccaaaaat cacaagatct cctcaagatt ccagaatgta 480
ttccaaagct gttgtacccc ttntccctcc accggtctcc ctttgcaagc t 531

```

```

<210> 1206
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 1206
ctgaattaaa gagatgaatt tattggtaaa tagataaaat taacacctat tttaatatat 60
ccaaaccctt tccttatata tattaggtaa attaaaagaa aaaaattatc aaagcaatac 120
tacagccagc tagatcgcca atttacaat gagttaagta agtaccataa gtttggttga 180
atatcagggt cttcagagtt tttctcaaac agttacaaaa gagattaggt tcccaatcag 240
ttcacaaaag ctaatttaga gaatgtagct taactacagt actgaggttg tcacacactt 300
aactttcggc ctcttgctta ttattcata tctgaggttc actgtttcta ctaggataca 360
ttccgcccac acccacacct c 381

```

```

<210> 1207
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 1207

```

tgtctggggcc	acgtgggcat	cctcttttatt	ggtgcttcca	aggtgctggt	gcagagccct	60
tggttgaagg	gcctggactg	tgggggaggg	tggcagcccc	agagacagca	ggggagagga	120
agcgttcttg	cataaaaaaa	gagttccttg	gtaaggctcc	tgtttccgag	cattcgggca	180
gcaaggggag	tggcgcacac	ttctcagccg	aagacactct	tggtgggtcc	ggctttgggc	240
ttctcaaaga	cagtctcggt	acctgtgcgg	gtgcggctga	acaccgacgg	ggcggccgag	300
cagcttgctc	acactctcgc	atgacctggt	aggtcttgga	cttgatttcc	tggt	354

<210> 1208  
 <211> 346  
 <212> DNA  
 <213> Homo sapiens

<400> 1208	ctggatcttg	ctctagtgtg	agcactcctg	aacttcacat	attctccttg	tcccaaattgc	60
	aagggtttac	tctcaagaga	ctctaggctc	actgcccata	aacctttgag	ttggacaaaa	120
	tcttaacatc	cctgtggatt	tgctcatact	gccctgggca	gaactctttc	cttcttttggg	180
	agtctgaatt	acttcatatt	tgacatctat	tttgaaattc	tgttttacag	ggtttaggat	240
	gggggtaggt	aggcacagga	aagagagtag	agcattctct	cttttctagc	aatttccatt	300
	atcatgcccc	ttctagcttt	tagaccagca	gttctgagac	agggat		346

<210> 1209  
 <211> 403  
 <212> DNA  
 <213> Homo sapiens

<400> 1209	attaatgcaa	acatatTTTT	attaaagaat	gaatgcattt	atgctaaaga	atagcttaca	60
	tatgttgtaa	agcaacaagc	atatcttcaa	gaagtgaagc	ctcctcaata	tgactccatg	120
	cttattctac	atgcctgaaa	actgggcccc	cacacagggg	cacacgtaca	cgcacacaaa	180
	cgcagatacg	gacacacaga	tatgcagacc	gaaatgctga	caccatcgct	ctctagattg	240
	gattagctct	cattttaaggc	ttcttaggtg	ccgcagtgcc	cctaataatta	ccaggattga	300
	aaacagactt	ttaggaagga	gcagcattac	ttcgaaaagt	agtcattctgc	tcttgctctc	360
	caatgtgtgt	attttaacaa	ataccattta	attctatggt	gac		403

<210> 1210  
 <211> 296  
 <212> DNA  
 <213> Homo sapiens

<400> 1210	gttttataaa	cctttatttg	aaaggctaca	aactttatat	tgccaccaca	tttcttatgt	60
	ttaaagtggg	tgtggggaag	taaccttgga	tacaaaacta	ctatgctggt	gaatcttacc	120
	caggcttggt	gtaaaatatt	ttttgtacaa	tggaggtaga	gtggataggt	caataattta	180
	aacctcacag	gacttgatta	gtgtcagcac	accttttttc	attcagggtt	tcagggttcta	240
	gcagacctta	gaataaaactg	tggaatttgt	ttgcaagagt	tactgggtggg	gacact	296

<210> 1211  
 <211> 348  
 <212> DNA  
 <213> Homo sapiens

<400> 1211	tttttttaggt	tttcaaagat	tttattaaaa	aaaccaaaga	tatataacac	taggacggga	60
	ccagcggact	tgggggcagc	tcccagctctg	ctgatcagta	ccctctgtcc	cagggtccca	120
	cctggatggg	cctgaggccc	aaaccttgcc	tctcagctgc	ctcctgccct	acaaactggg	180
	gactgctctc	atccagcttc	tgatctgttt	cattttaagat	gattaaaata	ctccccctcc	240
	caattcgctt	aaaaataatt	ttcaaagatt	aaaaatttca	tttgtgtgtg	tgtgtttttt	300
	taaataagaa	ctttaaatgt	gggatattctc	cttcttcccc	taggtcca		348

<210> 1212  
 <211> 504  
 <212> DNA  
 <213> Homo sapiens

<400> 1212

```

tttttttttc gctacaaatc aaaaggcttt attccttata taaaccacaca cttagaaaaa    60
ataaatagtt aataaattat aggcaaacca gttggtctca gccacgcctc ccactgaggt    120
ccagggcagc cgctgcagca gcagacgagc gggaagggtgt ggccacagct tggctcaagg    180
gcgtggtctg gactggggac gaaggacagc aggaggaagg caaggctctg gtgagggcag    240
ggatgggggc taaagggtggg ttcttgaggc gtgcccaggc tctggcccgg gcagcagggg    300
tgaggcaggg gctcagctcc ttctgggcct gggatgatgcg gcgtgcgaac ggctgcgatc    360
ccgagcaagc tgctcccagg ggccctggcg ggcgccctgg ggcgccctctg cccagacagc    420
caggaaatgg acagtgcctt tctcggagaa gcgcaccttt ctggccctta ggggagtctc    480
agggtccgga tcatgagtag ggggt                                     504

```

```

<210> 1213
<211> 338
<212> DNA
<213> Homo sapiens

```

```

<400> 1213
tgacttctta ttgaatattt tactgtgtta acgctcatta tttatacaga cattaggttt    60
acagaatatt ctgtttttaca tcacaaaatc tcacagtcgg agaataacaa cataaccagg    120
tcccaattcc tccatgcacc ccacaagctt ctgtccaccc tattttctgg acagaaatta    180
gcacaaccca caggtttttc ctgggccaag tcttcctttg ctgccactgt cttggcttct    240
aatcaagctc tgacaggcca acattgtgaa gtctcacc ctttccattc acttctgggtc    300
tcctagtcta gctaattccc ctccccaga aggttaag                                     338

```

```

<210> 1214
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<400> 1214
gcgaccgccc tcagacatcc acgacagcga tggcagttcc agcagcagcc accagagcct    60
caagagcaca gccaaatggg cggcatccct ggagaatctg ctggaagacc cagaaggcgt    120
gaaaagatgt aggggaatttt taaaaaagga attcagtgaa gaaaatgttt tgttttggct    180
agcatgtgaa gatttttaaga aaatgcaaga taagacgcag atgcaggaaa agggcaaagga    240
gatctacatg acctttctgt ccagcaaggc ctcatcacag gtcaacgtgg aggggcagtc    300
tcggctcaac gagaagatcc tggagaagcc gcaccctctg atgttcacaga aactccagga    360
ccagatcttt aatctcatga agtacgacag ctacagccgc ttcttaaagt ctgacttggt    420
tttaaaacac aagcgaaccg aggaagagga agaagatt                                     458

```

```

<210> 1215
<211> 486
<212> DNA
<213> Homo sapiens

```

```

<400> 1215
cctaaatggt tcaatgccat aaagcttaca ttcccttgaa gcagagtaca ggaaacctta    60
gcaatatgct accatccagt aggatataaa tataaagaag ctgtatcagc aagggatgct    120
cagggaatgt gtttgcagcc cgtttcacgg tagccgcttg agaggggata ttggaagtga    180
gtgactttct ttcatgtggc aaagtttcct tatctcagca cctactcttt ctgatgggtat    240
gtttttgaag gctgcacagt acgactctgg gtaccgtgtg tacatacata tgtaaggaat    300
aacgtttatg ttgctcagaa taggcacttt ttgaaggcag taaatctaaa agtaaagtta    360
atagagccta tatttagtgc tcatcttctc actttgctga tgtgtatgct gaacagaaga    420
tcacagatgt gagtcagtct cgcaaagagg ccggagtcgc aaatggctat attcagagct    480
ggggaa                                     486

```

```

<210> 1216
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 1216
cagcaacaaa aacctgtatt taagcggcta attccagaga tgagtagtgg agagagcaaa    60
tgagcctggg tagagctcac tctgggagga gtatgtggac gacacttggc tgtctcttca    120

```

gggggccagg	ctggggcccta	gcactcccgg	cagtggaaag	gcagagctgg	ctgccagctc	180
tggcctccgc	ctgggattca	ctcccatact	ggctcagatc	tgtggctgtg	cttcaccagg	240
tgggtcctcc	ctcaaggagc	caggcgggat	ctggaagggg	ctgcttatcc	ccaccacaga	300
acgcagactg	ttgctgtagt	aacagaggag	aaactcatct	tcagtggtag	ggatattgct	360
gatgtcga	ttaaacctggt	tcagattgtc	gctgcaggag	accttgct		408

```
<210> 1217
<211> 249
<212> DNA
<213> Homo sapiens
```

<400>	1217						
ttgagcagga	gtgggctcaa	gttttatattg	gaatcattta	aaaaaaaaaat	tcacagcagc		60
ataagtgggg	tcagaaggac	cagaggggtgg	gtggggccga	gggagggcag	tgaggttgg		120
gcagcagcac	aggtggacag	gccaaggggtg	gccaggaaga	cgagggcgag	agcgtgggca		180
gccgcattgtc	actcaaggcg	ggcactcctt	gtgctaggag	gggatgggtgt	ccaaggcaga		240
qgaqcqctc							249

```
<210> 1218
<211> 218
<212> DNA
<213> Homo sapiens
```

<400>	1218						
ttaaaggttg	agacacgtct	aaccagttta	atgacttcga	aaccgtgcaa	atgccaaact		60
atggagcact	agggatacaa	gaggcaccaa	ggcctggggg	gtgggggtgg	gggacactac		120
aacattgtca	tggggaaaac	gggatcacct	aatattggta	ggggaaaagg	gcggtccact		180
ggcagctcag	aactatgaca	tattcctcag	gggagcct				218

```
<210> 1219
<211> 347
<212> DNA
<213> Homo sapiens
```

<400>	1219						
tttttacaaa	gaaagaacag	cggacgaag	tggccatttt	attttctcaa	agccacacta		60
cctgctgcta	cacaggacat	aaaagtgc	aattccacca	ggaagggaaa	caaaacagtc		120
ttgagacagc	catgtctcag	aggtgaagat	tggaggagat	tttaatata	gggtgtgaatt		180
ccaattcaca	tctcttccaa	cgggacctct	ttccgaagtc	ccgggaacta	acattcatca		240
acacctctga	catcccagag	gatcgcaaca	ttcctgccaa	gggttattac	tcccatattcc		300
cagatgaaga	gattgagtc	ctgcagcagc	caattagaca	gtagcag			347

```
<210> 1220
<211> 396
<212> DNA
<213> Homo sapiens
```

<400>	1220						
tttcagatca	cgacaacagg	taacctttag	tcagaactca	ccacccactg	tgттаagcct		60
tacatgacaa	tcaccatgaa	gatttacata	cacatgttat	atcatagtct	cctcacaaca		120
tgtctaagag	gtaggcacgt	cattgttccc	atттtgсaga	tgaggaaact	gaggттcaga		180
gagggcactt	ggcttgccca	aagtcacaca	gcaggгagtg	gcagaggaag	tcaggттggg		240
tgacccцagt	aactgctctc	agaggctggg	tgatgaccgg	cttcctggct	tcctctggaat		300
aaacctттtg	caccacttcc	tgсatttcag	cttcagtaca	ggcagagaat	gggggataggт		360
qggggaatga	ggtgagaggg	gagatgttta	gaggтg				396

```
<210> 1221
<211> 339
<212> DNA
<213> Homo sapiens
```

```

<400> 1221
tttttttagaa aagaagttgt ttttatttta attcaagagg gttggaaca taaaaacagt 60
acatttttctt tgcagaaaat taccctattt aaattactat ttggtacaga gattattttat 120
tacactgcatt ttttaggcaat tttctaacat taagtgacaa gttatacttt tgattttttt 180

```



```

cccggaacgt agtcaatctc ggctctgcgg atttcacaga acacactttg cctattgccg 120
gctccaacaa gaagtaactt tccaggaagc tgccggcccc ggacgcgcca ggatcgctgc 180
ctgcgctgcg ctggccgccc gggattcacc cggggaggcg gggccgcggg ggaaggctcg 240
cggggaatac agcacacttt cccctaaatc cctcgtccgc gccgagtgcg gggctctcag 300
agttcaccta gtcccacctc tcaccacaaa cagtttataa atggggaagg tcagacaagt 360
tagtagcaga gctgggtcta gaaccacagga gttcgaatgc aatccgaggc tcatatcgag 420
actttaagtt gtccgattcc gaagtttatt tg 452

```

```

<210> 1227
<211> 443
<212> DNA
<213> Homo sapiens

```

```

<400> 1227
gacagacatt caagacaaac tgtattggaa atacaataat gaattttggc ctgatagccc 60
tcatgctgtc ttatagcaaa aactataaat tcatgcaaca gagaaattgg tgacatgagg 120
actttttctc cagacttcct ggggaaaaac tgtgagaata tacttttttc ttctgtttgc 180
tttcgaaatg cattctttct tttgctgact ttcccaaact ttcccagtcg tttctgatga 240
aaaattcttc aataggaaaa gaccaggtaa acttacatga aagacatcaa gtatcttttg 300
agctccttct ctctgccaga ggagcaatca actggattac aaaaaactac cttcacaact 360
aaaacaggta gaattggaac aggaattagt tgtcattaat atactcgtaa taaaataaag 420
cttgttctga aaccacaagg ggt 443

```

```

<210> 1228
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 1228
tttttttttt ttcatgttac aatatcttta ttaaagaaat gcattccagc aacactgtca 60
gcatctttat taccaaagaa atacataact ttaacagata atctctgtat cttagttttt 120
gcctttgcaa aacaaatgga gatatatcaa ctctcataca attctaaaag cattgtgctg 180
tgctgcctca caggggtacg ttcccagagg tttctctctc tagagcaatc cctaatagga 240
caattgttca ctctgaggct tctggcttct tatctctcct ctcttgggga gctgctgctt 300
ctctgtaggt tgcttccctg tgacgcaggg accatagttt ctgctctaata aacacctttt 360
ccactctgac gtagctgagc catacactac attgccttag tcctgttcac cctttggtga 420
ttctgttcca tttgccacct ggctctttcc tcc 453

```

```

<210> 1229
<211> 541
<212> DNA
<213> Homo sapiens

```

```

<400> 1229
ttttttgagt gaaacacata ctttatttct gtataaagat tctttccagg agaccaggct 60
ggaaaacacg gaaacctcag gaatggcccc tctccactta tactcctctc ctcacaaatc 120
aggccaatga ggtcagttcc tgagtcccct ttctccagga ttccactcag tccttgtctc 180
ttagtgtcct gttgggggat aaggaggaga aggactcttg ttctctagct tctccgataa 240
aggccccccc accgcccctc aattactgtg gtctaggaac tgtgagttca tgatatacat 300
cagggctcct ccctgagaaa gcatgaggag gaagaggagg aagagattca cacaatacaa 360
atatcacagt gacagcaatg agatctcaca ttttggaagt cacgtaacaa agatggttcc 420
ttgatatttc atattctatt actactggac attacaccaa gtaaacacac ttggataaac 480
acagggtgat gcatttctag aataagaatg tgacccatgc acagtacaaa tcatgggtgtt 540
t 541

```

```

<210> 1230
<211> 422
<212> DNA
<213> Homo sapiens

```

```

<400> 1230

```



```
<210> 1231
<211> 211
<212> DNA
<213> Homo sapiens
```

[illegible]

```
<210> 1232
<211> 306
<212> DNA
<213> Homo sapiens
```

<400>	1232						
ttttttttttc	agtgacttat	caaaaattta	tttcatataa	taaattatat	aattttat	tttt	60
catctttaaa	cagtctacac	cgaaaacatt	tttggaacaa	tcttttctct	ttggtaaaac		120
aggtttagcag	gctgacatca	gcttcatatt	ctcatggcta	aaatccccca	cggttataca		180
gttaagcata	gcctttcttt	gtatttctca	agttgacacc	acttgatata	aactcagaca		240
atataaacat	ttctagattt	tgcttaaggc	cttagcttta	actgcagagt	agtgagtagg		300
aaatta							306

```
<210> 1233
<211> 589
<212> DNA
<213> Homo sapiens
```

<400>	1233						
tttttttttt	ttttttttaa	tcagttaact	ttagttaaat	gagttttattt	gttcctttttt		60
aagaacctgt	tctaaaacac	tgcttcttaa	agttcaatga	gcatacaaat	cacctgagga		120
ttttgttaaa	ctgcagattg	atntagtaaa	tctggggcag	gcctaaagtt	ttgcattttct		180
tttttttttc	ttttttttga	ccaggatcc	aaagcagtag	agatttttgca	tttctaaaaa		240
agttcccggg	tgatgctgat	ggttctttaa	ggttctaaag	ggtgttaa	tagccatgac		300
tcgaattagc	agaaaaagg	atgaaccaac	tgtacacata	atccaaaagc	ccaggggtag		360
acctcaggca	tggctggatc	cagagggcca	cataatgtta	tcaggaaata	tatttggcca		420
tttctcaggt	tggacttcct	ttgtgttaat	ttcattccca	agcaggctct	cccaggtgg		480
tggcaagatg	atcgcattag	ctcaggctac	atctagcagc	tcacaggaac	tcattccaag		540
tqctagaagc	ggctgcatca	ctgacaatac	tgtgccgggg	gaactcttt			589

```
<210>      1234
<211>      408
<212>      DNA
<213>      Homo sapiens
```

<400>	1234								
ttcatttttgc	aaattttaatg	taactctgat	accaaaatat	gacagcacac	agaaagcaaa				60
caataaagca	ggaacagcaa	acagattttt	ccatcacatg	acaccctcag	ctgattggcc				120
ataactgcct	tgactgctgt	gtggacaaag	attccaagga	tgtacttttg	ctccatggga				180
aggactactg	caattttatta	gcggtatctg	taaacatggg	gaataaatct	gaaacctcac				240
tagccatacg	agaagccaca	ggcaccaaga	ctggcggtct	cactgccaaa	gccagcactg				300
gtgctcggtc	caccacaaa	gccagcacca	gtgtttggtc	caccgccgaa	gccagctcct				360

gtgctcggtc caccgctgaa gccactggtg cttggtccac tgcagaag 408

<210> 1235  
<211> 439  
<212> DNA  
<213> Homo sapiens

<400> 1235  
ttttttttat agaatctagc aattaccaag acatttatta gttgtcaaaa agctttacaa 60  
tcagtttcat gatcagaaaa tagagcaaaa tttcaatatt gttttcttta taaaattgat 120  
gaattttctga aaagataaag gatcatttga tttttaaaaa tgtcagcttc atcacatgat 180  
gttccagaga tctgacccca aaagcttctc aagttttact atccatagtg tccttatttg 240  
taactgagac ccatccgtta ttttccatct gaagcttctt cagcagttta taacaaagtg 300  
aaagaagttg gactaagaga gccatcatgg atcttgtctt cgtaatacac ttgtcaacct 360  
ttagaaatac tttattctgc aaagaagtct tagttactgt ctggagctgg tggcatagag 420  
gaattagctt gtttatttc 439

<210> 1236  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 1236  
gatccctgaa gttgccttgg tctctgcacc ttctaaacct agttcttaag agctttccat 60  
tacatgagct gtctcaaagc cctccaataa attctcagtg taagcttctg 110

<210> 1237  
<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 1237  
gatcaaatta ttttcttttt tgttgtttac cctatcctca acaacatttt tagtttaaat 60  
tattgtagag attttttttg tgggtggtat tttttatttt gctccaaaat aataaggtgc 120  
aaagctatth tatgcttaac tgttgcctctg tcaaaacagc tatgcagtgg agttgcattt 180  
gatgttctag agtttgatta catgcagagt tgtatatagc caaaacttct cttatcaaac 240  
tctgttatgt aggcatattt atatatacat taaagactgt tgtactgtgt ctc 293

<210> 1238  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 1238  
gcataaaaaa cacaatgvtt taattttctaa agcacttata ttattatggc atgggttttgg 60  
vgacagggtta ttatagtcca cataggtaag tatgcagtgc ttctcatgga aaaaatgctt 120  
aggtattggc cttttctctg gaaaccatat ttttctttt ttaataatca actaagatgt 180  
atatgtaaga crgcctcatc ttttgatttt taatatacaa gatgctttc 229

<210> 1239  
<211> 286  
<212> DNA  
<213> Homo sapiens

<400> 1239  
ccactccatt gttttattat gtacaaacgt tacagaacgg gggggacaga cacgsgtggg 60  
gtaagavggg cctgggggga ggggttcaca gagcagacgg tgcactggga ccaggggagc 120  
agaacacagg ccataactat agggcaggtg gggcaggaac ggggttaaaaa cgggatccaa 180  
gccagccaga tcgaaggagg tgcgggggag cgtgtccctt ctgttctccc cccaaggtca 240  
cagtgcattg aataaaatat atatacaggg gctagaccgg tcctct 286

<210> 1240  
<211> 294  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c







<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1252  
cgctcttttac tttttattca ctcacaccca ggttctttcc acaaagggtt caaggtagtt 60  
acaagaatta ctactgtttg gcgtttgctg aaagaagtag gtgagaatat tatatgcttt 120  
agaaaccaca gagtcgaagc ctgtcatcgt cctcatagac caatgagtag ccacacgtac 180  
ttgtttggca ttaccaagtg tccgggcaag gccgcagcct gcagctcacc agccgtgctg 240  
ctcggcctgt gcacgtcacc ggctcttccc tagggtagct tttgcttgct ttctcccacg 300  
tccatcctct ctctctctgg actcacagcc agccagggtt ctagccttgt cattcctaaa 360  
actactgcct caagccaggc gggggcgaca caaacttaaa atgctaactt ccacagcggg 420  
gtctggacta atgggtgtcc cccaccgtgg gaatgtatgt gagctaaaga can 473

<210> 1253

<211> 409

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1253  
agtctagatg aattttattgc cattcacata tttcatagaa aaaaagatgt agcaaacggg 60  
tcagggttgt acaaaaaaaaa aaaaaaatcc aggtttatat aggttgctct atttacatct 120  
gagagcacag ctgtcctggc atcaggcaca gcagctgcac ttgtctgacg tccctttgca 180  
gatgcagccc tgggcacact tggcacagcc cacaggngang caggagcag cagctcttct 240  
tgcaggaggt gcatttgcac tctttgcatt tgcaggagcc ggcacaggca caggagccaa 300  
caggcgangc aggagcagtt ggggtccatt tgcaggcaag gagaagcagg agttcccgat 360  
tcaagaggaa aacacgcagc gggacagatt ctctgtccga attcttggc 409

<210> 1254

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1254  
ctgattcagg atgttcactc ctgtgttatt tattatatag aaagatcaag gggactgggt 60  
aaactagaca tatcacatcc agccgtgctt aaaaactaaa gggaaatagt aggtgacaaa 120  
agcaggggtc ctgaacagtg gtgggctcag gggattggag ttttttctt tatgtttttc 180  
tgtattttcc acaatccacg cttttcattg ccattccatc agatgatgtt aaggaggaac 240  
acagatccag tcacctgagg ggatacttcc tctactgccac cttctcaggg tttagaccaa 300  
catgtgggtt ctagtttccc ccagncccaa agctntttccc tngcaaggaa gagatcagtc 360  
ttttgagcaa attttggtc aagactaaag acacagaagg cgaggctcct gcattgcacag 420  
cac 423

<210> 1255

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<223> n=a,t,g or c

<400> 1255  
tttttttttt cttcttccct tttctttccc cttttaaaact aagatagcag taatgcattc 60  
ggacgtttga cttctaatac cttcctgccg cgaaccaatt gacacaaaac agaataagctt 120  
gttaaaggac agattttttt ccccttcagg gagncaaagc attaacatgt catttctcta 180

```
ccaggatatt aaatagttta tttagaagaa atgagttgaa gtgagcgatt aagagacaca 240
aactggactt ttgttttctt ttactgtagc acccaggttt catgtcagtc tgtgtgcacc 300
gaattttttt tttaagttaa cctcattaat taccagctag gtggttggct tgtttaaaag 360
aaaaaaaaatt cttggggccaa ctgttccttc cctggaatcc taacaagaag ttaaattgcta 420
acagtgcgat gccggggtgt gtgtttgagg ca 452
```

```
<210> 1256
<211> 289
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1256
ttaacaggag acaggggttt tattattact caaatcagcc tccctgaaaa tttggaggct 60
aggggttttt aaaggttagt tggcgggcag ggggttgagg tagagcaatg tcatttagct 120
tgctcacttc catctgccag tttggnagct tcttggtga nagatggcgc cgggcatgct 180
tggtcaaatg gtcactctc atgaaccgcc ggtcacacat ggggcacgca aatttcttct 240
caccctgtgt ggttcgcctg tgtctggaca gttcancaga acggggcaaa 289
```

```
<210> 1257
<211> 111
<212> DNA
<213> Homo sapiens
```

```
<400> 1257
ctattttttg tataaacaaa attgcacagg tttatattgcc acctccgct cctccctgcc 60
tgctgtgtgt tgcccttcca cctgcagctc aggggagggc ttctctggcc t 111
```

```
<210> 1258
<211> 399
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1258
acacgttcag gggcctttat tactgcgggg ggtggggggg ggcgggggtg gttaggggag 60
gaggagact aagttactaa cagtccagga ggggaaaacg ttctggttct gcggatcggc 120
ctctgaccca ggatgggctc ctagcaaccg attgcttagt gcattaaaaa gtggagacta 180
tcttcacga atcttgcttg cagaggtaa gntctgtctt tggtgttag aaaagttcct 240
gaaggcaaaa ttctcatata cttcctaaaa tatttntgcg aagagtaaaa cgttcagcaa 300
acacattnat ttggaagttc cagtagtaa tgcttgggca ntttttttgc aaggtgaggt 360
tttgtctaaa ggccccaan cagggacaatt atctccng 399
```

```
<210> 1259
<211> 423
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc feature
<223> n=a,t,g or c
```

```
<400> 1259
tgaatatcca agaaaggtga agtttaattt gcatataggc ataacctaca cctcacttgg 60
caagtgttag gccacagcac aaacccctct gtccaatcac aaatgtccac aaatttgcaa 120
agtaactgga caggaacgat atgtttctca aactcacaca catattcgtc catcacacac 180
acactcaaat gataaagaan tacattgaaa tcctctacaa aagagatctg aggacagtan 240
tcagatgacc tcatgtgcgg acagcctntt gcagtttaca gtctaattcca tttggtcctc 300
acantagccc tgtgaggata agcagcacag ggattactnt tcacaccgtt ttgcaggatg 360
agggaaactg aggtcaggg gatgtgtaaa caccagccta aggttttcca gttgggagac 420
```

tgg

423

<210> 1260  
<211> 440  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1260  
ttttacnnnn ctttggattt tttattaagt tctgcaataa ataatagggt tataagttca 60  
ccctgttggt ganctcatca gtggtcgcca agtaagaggg tgaatcactc atcccaagag 120  
actctgctac ctcttagctc tggagggtaa aaagcaaggg ccagagcaaa tacattgggg 180  
agagggggag aaaaaaaaaa tcaggctatt ttaatagccc tcacatgcca agtgcttttg 240  
attcatcatg tttagttttc ataagcttgt gaggtagata atattatccc cattttatag 300  
atgaggggaat ttaggctcca atggggntaa ataacttgta caagnacaca tactggaatg 360  
actgccatga gggaggggaat gtgaattttg ggtcacgggg ccaacaccct acactcttcc 420  
taccntgcc acactgggca 440

<210> 1261  
<211> 211  
<212> DNA  
<213> Homo sapiens

<400> 1261  
tttgtcaaga gccaaagacac aggtaatgca cgacattgat tgctgcattt taccttcaaa 60  
atatttgtcc ttattgactg ggtctcctta attaattgtac acatgtcatt agaatgcaga 120  
cggaggggac tcaccatgaa tatctggggg tgattcccag atgtgtgttg cttctctatt 180  
gcaagcagat tcccttgtcc ggatttactt c 211

<210> 1262  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 1262  
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acaatctgga tgttgacata gaaatgcaaa tttcactata caaaggtaag gtcctaatca 120  
cagtaacatg gccccatat ctctagtatt tcaatgaaat aaactcattg tgaattcacc 180  
ccgagttgtg tttataaata ttagacaaac cacaaaatat attccaaata cataacattt 240  
tacaatattt ttcaagcaca gacaaatata tactttactt tacctacatt gttttcatga 300  
tccaacttgc attagcacta aaggcaatat tgtgtgtgta t 341

<210> 1263  
<211> 342  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1263  
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gagtggaaac acctagagga agttgataag tcagcaagtc ggcagcagag ctgacaagct 120  
gggaccaggg gctgtctcct ttatgtcaaa tgggccagcg tgacacagac tgccccggga 180  
aagcctcgga acttctcgga ttgggacaga gtgctggggc agggaggaaa tgtctcctct 240  
tgcttattcc cttggccaac tcaagggaag acgcttctcg gggcctccaa aacctnngtg 300  
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<210> 1264  
<211> 510  
<212> DNA  
<213> Homo sapiens



<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1264  
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 caaatcccc tttgtgcaaa gggggagctt cctgctcccn ttggcacatt aataacttac 180  
 aaattcagat cacaacaaaa cccagactc tagttttctg tttgaaagggt actgagctgg 240  
 gataatgggt tgctaggaaa gagctaagtc aagcccaaag gaaataaaat gttttcttta 300  
 tcagaaaaga ataataacaa ggcctcactc tccaaaggaa aacagacgtc ccaagatggt 360  
 gtggaacagt aattaagtaa ccaaatacaa ttccaatggn ttatttcacc ttcattnntt 420  
 ataacttacnc tcatctcttt taattaaata agcgaaacca ggaaagtgca ntgcgaaggg 480  
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<210> 1265  
 <211> 396  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1265  
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 tggatggaca ggactccctc gggggacagc gcggacgtca cggcagccgg atccacgccca 180  
 ggcggcaggg ggtacgacgg tggaaactgc gcgcgacgaa tccgtgctca tccgggctgt 240  
 cctcgtggcg cgcgtgcacc tccacgtgtt cgcccaccac cttgacagca atttcctccg 300  
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 ggcgacgggc aagcgcacgc tgggttgcneg gcaggt 396

<210> 1266  
 <211> 586  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1266  
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 cccccccct ggacagtttt ggaaattgtt cccagggttc aactagagag acacgggtcag 180  
 cccaatgtgg gggaagcaga ccctgagtcc aggagacatg gggtcagggg ctggagagat 240  
 gaacattctc aacatctctg ggaaggaatg agggctctgaa aggagtgtca gggctgtccc 300  
 tgcagcaggt ggggatgccg gtgtgctgag tcctgggatg actcaggagt tggcctggat 360  
 ggtttcctgg atccacttgg tgaacttgca gaggttcgtg tagacacccg gtctgttggg 420  
 ccgggcacaa gggtaatctc cccaggacac gaggccctgc agggagccat tgcagaccac 480  
 agggccccca gaatcacctt ggcaagagtc tctactgctt tgtcaccggc gcagaacatg 540  
 gtgtcactat ctgtctcngg taanatectc gcacttttct gactta 586

<210> 1267  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1267  
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tgggggcatt	taccgaaccc	gataatcgca	gccactggag	ccgccggaga	ggctgggcca	180
cctggacgcg	agctcgggac	cgaagaagcc	cctttctgca	gaaagcgacg	gatgcgagtc	240
cttgacgtcg	ttgtcatatt	tgctcctttac	accagtnntga	aatattttgnt	cttaaantcc	300
cctcgnggcc	gaattctttg	ggctccgagg	ggcnaaaatt	tncccatag	tggagtccg	360
tat						363

<210> 1268  
 <211> 479  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1268						
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atTTTTTggt	aaatacatat	TTTTTataga	gaagtaatcc	atgaacctgc	aacatggata	180
gcttatccaa	ccaactttac	aaattactat	taatataagt	tacatgcttg	ccatctaaag	240
taactaaacc	catagactga	aaaactatgt	gtcaaggtaa	cgtgagcact	ttaatcactt	300
tacttatatt	ttctaaaggc	agtagtttcc	tctccttttc	ccgctatcca	tattaggatg	360
aagagacaag	ttcctttcca	acaccaaatt	ctggatatcg	ggctattggg	ggaggaatcc	420
ctgggtggcga	gtcagctaga	agccccctggc	cacccaggnc	caggtggcca	acccaatgg	479

<210> 1269  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1269						
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ctcataacgt	cctttaaaaa	aaataataac	tgaaagggaa	aagaaagtgt	caattgcaat	180
tacattttaca	aaaccaaact	gctgctttca	attagagtga	atctgtgctt	cgctactcag	240
atatacacat	gtagattttc	caaggcccat	gcacacactt	ctgtaggggc	agaaattttc	300
tatgaataat	ggcttttagca	acccgaatag	tatctctaaa	cattgacaag	cttggggaac	360
agggcaacaa	gtgcaatgaa	caatacaatt	tctaacgttt	gtcccagtca	acataccact	420
ttgccctgga	gatattttaac	acagcatttc	atTTTTtgga	tgataagggn	taattcntcc	480
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<210> 1270  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1270						
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tcctctgaag	gcttgTTaag	gctggacatc	caggatggct	cccacacatg	gctggaaatg	180
atgttggtctg	tcagttggga	gcttagcttg	ggatttcagc	tggagcatct	acacaggaca	240
cctccatgtg	gcctggactt	cacagcatgg	tatctgcaag	gagatggaga	atgcccgtgg	300
aaatgggtgg	gatataagct	tccggcaaat	tgcaagcaca	aaattccgat	cnaaagcccc	360

caaaagcacc atcaaaacct taaacc

386

<210> 1271  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 1271  
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tttaagcaaa taaaactgtt tggatgcttt cccaggacga ttggattgcc ctccaggcgt 180  
atctcttcaa tgcgggtcccg gatgtaactg gtgtcattag ccttgcagaa tgtgtcatct 240  
gtaattgaag ctatgttggt gaactgaaga tgaattacac gtagactttc tggtaaatta 300  
agaggcacgg attccagggc attatgggtc caagtacgag gaaggtgagg ttattcagtt 360  
ttttgaatgc atttgctttg attccctac tcttgatttt gtt 403

<210> 1272  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1272  
aaaaaaaaa caatatttag tctttctggg atatcagctt ctgcctaaat tgtgagaggt 60  
ggtgtttcaa aagacacacg caccagtggc cccggggaga gctgcattcc aggttcctgt 120  
cctacgtagg cccctacggg tagctgggga caccagtctc ctccactcac ttggcaggag 180  
tcaggactgt ccacctcttc aactggcaca aggccaagc agcatggggg cctgagtga 240  
aatggagggt cccacactgc ttccaggaca ggactgtcgg gggctctcct caccctgac 300  
tggccacag cagcaggctg ctctggcgt ttggcagcag tcgtgatggg gctgcagcag 360  
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<210> 1273  
<211> 434  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1273  
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atataaaaac aatgcttaag tggggtttca gaacagatat ttccttttaa acttttttta 120  
aaaaatcaca aatatgattg gtcatacaa ccacatttca cctcttttca ccagcactcc 180  
caccatttcc cgttagaaat attttgtaa aaaaatcagg tgatcaaact catagaaact 240  
gaattgtgag aagtataatg gggaaaagga atgagaacct gtggctctag gggagttaca 300  
gaagggaaat catcttttag agcccttggg ttattttctga caggaaagggt aaagccgtgc 360  
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ggctgaactg ggaa 434

<210> 1274  
<211> 408  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1274  
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catgcttttg atgtgtcagt acaagacagt atgtgagact gtgattctgc caggcagagg 120  
ggaacgggca tgatttatct gctggcaaat aagtctccac tataccctaa tcattctttt 180  
atcctaagt catcatgatc tccttagtcc tgggacgtca aaatagtcaa ttatgggctc 240  
cttggtaatt tcctggtaaa ttactgctcc caggatcctg gtctgacnga ngtcggtgat 300  
ggggaatcgn tgggtggaggc cgtgctgnat ttccctttca agcanacctg tcagcgtggg 360

aggngggccaa anggatttcc ccctgatggc agtgaccacc acattgcg

408

<210> 1275  
<211> 613  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1275  
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aagttattcc tgtaattact atttttaaat agtcttctta actgtgggaa aactttacct 180  
tccccagca cgcacacaca tactctcctg tgatgaggct gaatgctatc cagtgcactg 240  
gttcagtcag caatctgccc atgttcctgg gagaaatcag tcccagtcct tttgctgtca 300  
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ccagactgcg acgaaatcac accaacccca caccatgcac acagggagnc ccagcccaga 540  
gctcgcaagg caaggnaga ccgcnttcg ggaatgcagc cgtgggcaac ttcccctaatt 600  
ggaccattcn ggg 613

<210> 1276  
<211> 484  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1276  
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tccgagccat ccacggaagt gctgcagacc tcgtacacga aaatgtcatc ccgaggcatg 180  
atgtggttta aaccttcatc catttggaaa attttgtgga atcggtgatt atacacatct 240  
gcgaccacca tattttctgc agcaatgcc aacagcctgg agagagcctc gcacaggtcg 300  
gacacagccc ccgtcagcgg cacagtcaca cggtagtgag taggtctgca gtgaggtgca 360  
gcaggaacca ggaaaacctc ataactcgat ctttcttcaa gggcagtggn agcgttagat 420  
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naaa 484

<210> 1277  
<211> 512  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1277  
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gacaggaagc agccctggac angagagcct gcaaacggag ttnccttatg nnaaatgtct 180  
gaacttctca tacattctag gatttcatgt ttcggttaca aggaaaggaa actgggctaga 240  
agattcatgt acaagaaggt cacaacttta aagctatctg acgctaata cttgtacaat 300  
ctggtttgca aactctgaga gacagtatca aataagcact gttcaaagac tactcccagc 360  
taatccttta ctgtcatttt ctctttgaaa ttgtctttgg gactggntat gtntcactg 420  
tagcttccgt ttatcccaca gcccacaaanc cctanagtcc catggtgcag tctccatggt 480

caaggtataa aagtctgttt tcaggacaan gg

512

<210> 1278  
<211> 456  
<212> DNA  
<213> Homo sapiens

<400> 1278  
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gaccataagt gtacaccacc atgactggct aatttttttac ttttccgtag agatggagtc 180  
ttgtgatatt gccagcctg gtcttgaact tttggcctcc gacaaccttc ccatcatggc 240  
ttcccaaagc attgggacta cagacatgga ctagctccat ttcttgatgt gaggccataa 300  
gcagaaccaa gcagactcaa ggcccttggg tgcttggaca caattagcta ttaataacat 360  
ccaggaaaaa gctcagtctt ctgagtcagg aaaacctggg ctggagtcct ggctacactg 420  
gtcaccagca gcagaagcct gggcaagatg cttcac 456

<210> 1279  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 1279  
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atgaaacata aaacttaaca atgaaggcag aagaagaaca tagtagaaac aattactaca 120  
aacatttttag cttccaattht catataatgt tatacagtht agaaggagat agtctattcg 180  
ttaatagaaa tagtaagtgt acttttttag cttctgctgt gggagcatgg catacaccag 240  
cttgggtggg ggggaaagcg ggtctgtaat gttccagcct ctggttggct ccatcggtcg 300  
cttttgggca acaccagct ttagagatct ttttgttac tttctgactt tgcttattct 360  
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<210> 1280  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 1280  
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taaaaataaa tgtacagtaa aactacaagc aaaagttgt cagtattgaa ttgaatttht 180  
taccctttaa aaggactagt ataatttcca atctctaaca aaaacttagt gtcaaatctc 240  
acagataagg ccaaattggc gatattttca gttatgtggg tagtacaact tgagtaacct 300  
tttttacatg acaaaaagtg agttatataa attgtcctca actttcacat aggaaaaaaa 360  
tggtttaata gcttcaaaag gaattttctt tcatgtatac tcttcagtat ccaatattga 420  
agctttgttc tttg 434

<210> 1281  
<211> 314  
<212> DNA  
<213> Homo sapiens

<400> 1281  
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ccggttcttg aataaaaagta atagggaaaa ccatcttcac ttaaaccttc taccgaaacg 300  
gtcttcaactg ctgt 314

<210> 1282  
<211> 442  
<212> DNA  
<213> Homo sapiens  
<400> 1282

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tgtctgtctt cacatcgact ttgccaggtt tcagggtctg gtcctctcgg acaatgctac 180
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cccagaagag ccgcccacgg ccgttcagct tggagaagac atacaccact tggccccggt 300
gaatggtcag gaatcggcag tcgggggcca tgtagtcctg aagggccaca gcatgtgaga 360
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caccctgac accaggtccg ga 442

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<210> 1283
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1283
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agggccttgg agaggcggta gaggttgccg aggttgaaact ggatgctggg gttggtgacc 180
cgcagctcgt ggatgttggg ggagctgtcc tgcggacnag atgtcactct cgcccagaaa 240
gggggacact gtgatggtgt tcttaagctc atagagtggc aggttgtctg aaatgccacc 300
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<210> 1284
<211> 420
<212> DNA
<213> Homo sapiens

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<400> 1284
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tggggagaga cttcactact atctctgctg atggactcca tagttctcat actttacctg 180
aaagttcttc ctaacatctg atctcaacct ttcttgccgg ggcattggcc tgttttccca 240
gccaaagcctt gtttttgttt ttgaggaacg aacagctttt ttgggtacag accaggagtc 300
catgggtctt gaggacctct gtgtatttat cagttttctt ctccacattc tttttggcct 360
gtctccatag acttgtgagc cccatgcctt gtttaagggg gaaaaatggc atttcctac 420

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<210> 1285
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1285
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aggnaaacaat gtacttcnna ggnatgttaa taataaatta aggttataat ggttgccata 180
tcngagngaa tgnataagat tagtctcagc aaaaacaaaa attagtttgg aagtagata 239

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<210> 1286
<211> 160
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1286
ccgctcacc ctagagcctg ggtgttgata ttcactttac ccgactcag acacaggcga 60

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ccttgaagca gttctcgggtg tgtagagtcc acgtgacagt cccacagcc tcccagata 120  
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<210> 1287  
<211> 310  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1287  
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atgggccaaa tcccatgcct atgggtggtaa ataaagtttc actggaatat agctctgccc 180  
aatgcattta tgtactgtct gtggctccct ctactacaac tagagggttg agtagtgcac 240  
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aatcgttatt 310

<210> 1288  
<211> 340  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1288  
atactaaaag ctatttaatt gtatactttt aagtgggtga ctgtatggta tgtacattat 60  
atatatcaat aagctgtctt aaaaaagtga actcaggggt tgcaaatgac cacacatctg 120  
agcttttagtc cccattcatc aggggcataa cctgtggaga aaaatcaggg aattatgcag 180  
tatatgggtt agacaggnaa acattctagg aagancgaga ttctatgtat aancttaagg 240  
gcaataaagc atcatggaag gttttaagca gtatataatc agatctacac tttagaaacc 300  
ccccaaatca ctgaattgta catttcaaac aagtgaattt 340

<210> 1289  
<211> 265  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc feature  
<223> n=a,t,g or c

<400> 1289  
gatgtttgtc atttttattt gcaatacttt aggtccaagt ttcaaactgc aatattttta 60  
cactcaagac acagtcatgc acaatccata tttcaatttt ctattgcttc aaccacaatt 120  
taaaataaca atattgaaaa caaaaatcct taaaaagntt ggntgctgag gtcagaaggn 180  
tggnaccata ccatcagcag gnctacaaaa gnaataactt acttaaaaat caaacaaca 240  
aaaagnccnt aaataccttt aatcc 265

<210> 1290  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 1290  
tttaccagtt tttaaacttt taatgttctg aagtataagt aaacacatct caacagcttt 60  
acatattttc atatatttta ttttttaaac tctcataact ttgcaagcta gcagtaaaat 120  
attgccttca atattttact aattagcacc gtataccttt taaagctaac tggaacattg 180  
attcattata aatgattgta aaataaaatg atcatttcaa atgccaaatt aatctcaaat 240  
aacaagtga ctattattaa ttttatctct ttttttggt ctacgcacaa agatgtattt 300  
caaagatgaa cttaattata ttagtatcag ttttgtcaat ctagcaaatc atagtatcac 360  
agtttaaagc aatatttaac c 381

<210> 1291  
 <211> 384  
 <212> DNA  
 <213> Homo sapiens

<400> 1291  
 tttttttttt gtactcttta aatgtacttt taatgtatatt taaagaaatt ttaaattgaga 60  
 tattttaataa tacaagtatt tgagagcaat aaaaaaagaa agtccataca aggaagatga 120  
 acttagagag agctaccaga gcaggtaaatt ttccagcatt cttccatcat tggtgagaga 180  
 tgggtatcaa agccagtggg gttctgttct ccttggcagg tagatcccca aggtggggta 240  
 gctcaatgca attagctggg aagatcaccc gactcactct tccagggatg actccgtgca 300  
 cattaggaaa cctgacattg gtttgccctc caatgtcgct ctttgctgtg ggggcaatgc 360  
 cctgggcaca catattatca gaac 384

<210> 1292  
 <211> 223  
 <212> DNA  
 <213> Homo sapiens

<400> 1292  
 atggctcaat gttaattttt taatatactt gcaaatacat tataataaaa taatacaacc 60  
 aaatcaaaaa gcagccactt aaaaactgaa attcacaaaa tgagctgttc ttggctacat 120  
 acagaaggcc aacattttaa ctgaatgata attaaacggt tactaccata ggtaatatatt 180  
 acgcacttct ggggtccaata gaagggtgtg aatcaatgtg atc 223

<210> 1293  
 <211> 541  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1293  
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 gaaacagata tctgaaagca caagggtgctg atgtagccac tagatgaatc tgttcggtag 120  
 cagttgagcc cgggtgaatta aggagtttac agctgttatt tatgtggctc atgatgctta 180  
 ttgagcaatc tgcaaaaaata gatttcctgt ctcacacagg acagggtaga tttccagcaa 240  
 gcataatcaa aatctccaag tcttttggtc aaattagagc tgccaccatg cagcagggttt 300  
 tacttaaaagg tgtttactga tgaataaaact cacacttctg tgaactgggt cttgcttctt 360  
 gtgcagctaa ctctttccac ctctctttgt tctgctgaat gatgtccacc aggttggttct 420  
 tgaaactctt caggctcact gctgcaaggg agtagtctgg ggaataggna ccatcactca 480  
 tggaggcctt tgtatttgat cgtctaagtg catcagccat gtggtacccc acaatgtggg 540  
 t 541

<210> 1294  
 <211> 445  
 <212> DNA  
 <213> Homo sapiens

<400> 1294  
 tttcaatgca tgaatatattg attttatttc aaaagacaat tatttataac actgaccctc 60  
 tatcaaaaag aatatgcttt tctgatgggg aagtgacaaa aaaaaaaaac tacacagaac 120  
 aagagtaata aagttctcaa gtaaggattg cactccaata ggaattgagt gattctctca 180  
 gagagcactc attacatctt agacaacgct actcttcttt cctcttggcc atatgttcag 240  
 gtctcatagt ctttctgaac acagaatggc agtggccagc attgtccatt atctatgttc 300  
 cgcttggtta ctaattaaaa agctttggtc ttcagtgttg taaacgcaat ttctgccttc 360  
 gatatacaaaa ggtgagtga tgaacaaga ttagttgaag gaagtacttg atattttact 420  
 ccagatagct gaatgaaaat gggta 445

<210> 1295  
 <211> 445  
 <212> DNA



<213> Homo sapiens						
<400> 1295						
tttttttttt	ttagaggttt	ccaacacact	ttatttttgca	gaccactggt	ttgtagcttt	60
tgaggaccaa	catctctatc	aattcctata	aaatgtccaa	tcactttcag	ttccgtagca	120
ggctcttcca	tactgcacac	catgcttatg	gctggaggtc	cagttacaca	tgcatgaagg	180
ctgccctgcc	cactggttcc	tggaggaggg	cgcgtccgag	ttaaagcctc	ttccaggagc	240
ttgaacttcc	caggggtcat	ttcctttggc	aagaagtcat	tttaccatgtg	cagctttgggt	300
gcctgtgagc	agaaagcacc	agaaatgggc	aggatgtgct	gctttttctc	tcacgaagat	360
gggcacttga	ggatccagcg	cccttgtgct	taatgacagg	aatccctcct	cattgcttag	420
taggttaaaa	tataaggaag	cctcc				445

```

<210> 1296
<211> 442
<212> DNA
<213> Homo sapiens

<400> 1296
gcggccgctc cacatgcaca gaatctacta ggatttgtca cggccgggtg gcaccgattt 60
gttttgacta tacaacaaac ttttttttca aaagtatttg ttcagataac ttaaaaaataa 120
tataaaaaata aacaatgaat ttgacttttc ctcaaaataa aaaaaaaaaag gatggaaagt 180
ctaaacaata gcatattttt gaagtacaaa tgaaatgtaa agacactggg ttagcttaac 240
gaaacagatc aaagagacaa gttcttggtt aatgctcttc ccagtatcac aacaccaggc 300
cgtgatcaaa aaccaatata gacaagaaag aagaaaaagg aaaaggtggg aaaagcaatg 360
tacaaaattt caaagataaa tacaatatit ataattgata tgttacaaaa taaagtccct 420
tagcaactgc aagtgttcat qq 442

```

```

<210> 1297
<211> 385
<212> DNA
<213> Homo sapiens

<400> 1297
tttttttttaa attaaatcat ctctcttata tatgcatcca tcttttggtg aatacaagag      60
gtcctcttta aatatataca ttcagtactt ctacatttat gtattcattt aatctctgta      120
ctgtagtaaa atatgcattg ttttaattca taaggatttc ctggcaacaa tcagggttgat      180
actcactgcg tttgctgatt aagagcttag tgagccactc cagggaccaa ttctcccttc      240
tggatgcgga gaagcccatg agctatttta ggactataat gagactctac tgtgaaagca      300
aaatctgtct aatcttattc ttatcactta catttggtgta atctgtctat ttaagctacc      360
tttgggagta ggggtaaaaat gttac                                           385

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```

<210> 1298
<211> 501
<212> DNA
<213> Homo sapiens

<400> 1298
tcacccctcag tgcaaaactcg ctggcacaga gatgttcaat gatggcctca gatttcaact 60
cgttgtcaca gggaggacac accgttggtgc cttggggctt ggaggcttcg gtggcattgg 120
gcggcgtcat ggcgatgcag acgtccccct cgggagactt gtcacactta agcatctcgg 180
gccagtagaa gccgaagaac tgcatgaccg gctcgcacga gtcgcgcacg gcctcgcaga 240
ccagcgacac gggtagatgg gccgggtccag gcagacggggc gcgaagagcg agcagaggaa 300
gacctgggtg ccggcgtggc agttcttggt gagcagggggc acccagctgc tggcctgctg 360
cttcacctcc gccatggtct cgtgctccag cagggtgggc agcaccatct tcttgtagcc 420
cacgttggtg cacagccgca ggtccgcggg gatgttcacg cactgaggtg gcttgggtgta 480
gaagcgcccc ctctggtacg g
501

```

```
<210> 1299
<211> 566
<212> DNA
<213> Homo sapiens

<400> 1299
```

```

tttgtttaaa tgaaaaaaag aaaactgaat atctccatta agaaggcaaa aaagtgccag      60
gcacgttagc acacacctgt ggttccagct actcaggaag ctgaggcagg aggattgctt      120
gagcccagga gtttgagacc agcctgggca acatagtga accctgtctc taaggggtgaa      180
aagaaaagaaa gaaagaaggc aaaatattag cacagattca ttgtagagaa aatggttatgt      240
atcctcacag actggagcca catacaaaga gataagtagc cttctttccc atgcttccag      300
ataaccagga tgcattctaag gtaagagggt ggaggaaaga agacacattg ctctgattcc      360
aagggttagag ggaataatga ccagatttca accctaagat agaaccctaaa tacttgggag      420
gcttgtggtt ctttcttctt aatggttgat aacacagtgt ccctacagag aggtcatctg      480
aaactcagag gcaataaact catcaggggc agcaacactg gcaacctaac ttagaagccc      540
cgtgtggccc ctttttttatt tggagt                                     566

```

```

<210> 1300
<211> 392
<212> DNA
<213> Homo sapiens

```

```

<400> 1300
tttttttttt ttaatcttgc ctttttttta ttcaaaagga tcacaagctt cacatcaatt      60
tggcttcaaa aagacctcat gtcttaaaac taagtaccgt gacatttatt ttgccatctg      120
tgacagtttc acgtcgaaaa agcctcaaca taaaaaaatt accttcaaaa cccactgaga      180
cattctcaca taaactagga tactgcacaa acaataaagt tctttcttca atagtcaatc      240
ttttcaattt catccatgtc ttcagcggtg agttgcttaa tactgctgtt aaagtgggcc      300
tggattttca tgagcgaggg cagctcatct acttcaatca tgttgaaggc aaggctcttt      360
ttcccaaagc gccccgtccg ccctatgcgg tg                                     392

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```

<210> 1301
<211> 318
<212> DNA
<213> Homo sapiens

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```

<400> 1301
ttttttctga aatcattctt ttattttgca cacacatagc tgctatttac tgaacactgg      60
aaattcatga atgcgttaca tatttaaact ttcatagaag gctcagatca acaaagcaaa      120
acttctacag ataataagta gttgtgtatg cttgtcactc ttggggcccat cagcacctgt      180
tccttatcat attgctgaac tctgcaaact ccagaaaagga aggtttcttt tccaaacttc      240
agagaagctg cagatcaaga atttgggccg ttgcatctga ttagaaaactc tcttcttcca      300
gtgtgagaac gttggatt                                     318

```

```

<210> 1302
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<400> 1302
tgaatgatgt gcaacattta atagtcacaa agcatttgct ttcagtacag ataatgaaat      60
acagtagtgt gaggtttggt tgttttttta caatgaattg tgctgggcat ttatgtatag      120
agggttatt attttcttct gtatttctca tattcacagt tgtaataaag ttttctgagg      180
tgtcccaaag atgcaaaagc agaaattttt gaacacgtat tttgagaatt tctgaaactc      240
acataggtac attccacagg gaatatacag aaattttgct tgattgagta tagagttggt      300
aaaaatttct accacaatta ggtttacaca ggaaaatgta aaaaattact attttaaaag      360
gtaacacagt attaatgaag atgtataact atagattggt tctagcttca gaagaggtcc      420
tttcaatctg tattaaaatg ttgtgttttc t                                     451

```

```

<210> 1303
<211> 389
<212> DNA
<213> Homo sapiens

```

```

<400> 1303
tttgattttac aatgaagaaa tttattagtt cacagttctg gacgctggga atttcaatat      60
ggagggtgcca acatgtgttg agaggcttct tgccgtcttc ttcaaatcat ggaaaagggt      120
ccccaaattc tctctccttt ctgaagcgtc tcttcgaaga taaccctttc taaacatctc      180

```

```

ccttgagtac acataaaaagt ttactccaaa tttgtgaaat gtactggcct agggagatgc 240
tcagtcaatg ctgattaatt ttaggtagaa tagaaatgtc aggcacagtg agcacctttg 300
ctgtgattga ttgggtgtcg attctctgct atgaagcgaa ggggtgtgct ggatcaaaca 360
catccctctg gtgactagct ctctgcttt 389
    
```

```

<210> 1304
<211> 292
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1304
ttttttttta ggataaacacc atttaaatgaa caatactgga taacattaag tactattatc 60
actttaaaaat tcaaacaatc ttccaaacat caatacatatc acagttagtt taaaatcaca 120
gacaaatcgg acttgagggg aaaagtgaat tcctcacctc ttgcccatgt ttgactttgg 180
gatggaattc agcaaagctc tcccactgca gattgggaga atcaggtatt tctcccat 240
ggggggctgc cagggaagga ggaccctata ggggtggccag caaggggcca ct 292
    
```

```

<210> 1305
<211> 335
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1305
tttaggagta cacaatataa atgctttatt gctagcacag aggtttcttt ttaagtaaat 60
taaaagaaat aaatcttcat tttcacatct tttgttgcag tccaaaggta actagttggt 120
tagtggctat gtccacttgg acacatgcta caggagggca gcattcacat ggaagcactc 180
agaaatacgg catctgtcag ggctcacggc actgggctgc tgaatgcact gtcgtttgta 240
aataacagca agtggagact ttaaaacatc atggatagat aagagttata aatagaaaac 300
tggtacgggt aagaagcaga agatcgtaa ataca 335
    
```

```

<210> 1306
<211> 408
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1306
aaagtttacc ataattttat tgtaatatca gaatcacata agatatagag ttaagcagaa 60
aactgatgaa ttttcttcag atgatcttta agaatctcaa aagccttgaa gtttgctatc 120
ttctactgtc ttattagaag gataaaaaac tttgaatgaa aatccacttc ttggaaaaga 180
gccagggttt atgcagaggc attcgggtatt tgcgtagtgc aaaggatcat atttgtctgc 240
aatgacaagt agatcgggca caggatacac tctcaaagca tagtcatatg cccaatacac 300
tgggcagaca taaagaggta ggggagtcag atgtccttgg gataagatag tctttacaaa 360
gtgattagga atagccaaat tgctgctagg aaaacggacg cagttttct 408
    
```

```

<210> 1307
<211> 406
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1307
aatctgaagc ccctgatttt atttttccag catcactcta aggaagagtg tggattagtg 60
ccattattca gggctggtat taataaaaagt tagcttttat ctgcagggct aggttaaggc 120
tggcattctt acttttacat taaaaaaact ggctacaggc tgcgcactgg aggtacttca 180
gtcatgtgcc ttctctaaag gattcttaga tccttaaaat atatagtatg ttttaagttt 240
gtatctaaat agcacttact gtaatgtatt atacctaaat gtttattaaa agttagaaga 300
aatgagtacc aacaggccgg aatggaagtg aggagagggg ctaagacatt gctgatctga 360
gggacagacc tctatgcaat agaagagggc tgggagaagg ggtgat 406
    
```

```

<210> 1308
<211> 455
<212> DNA
<213> Homo sapiens
    
```

```

<400> 1308
tttgccacag ggtaaaacttt tatttttagaa tccaatcttt tccccacaca tacacaataa 60
    
```

attaaacaga atccacagta aatgtacatt ttttaacata aaaagtcagt tactgttact 120  
 tcatgatcac atgaggatcg tcacagctcc gtgtccatta gcacattacc ctcttgtcc 180  
 ttaactctta tccgaccgga tctgtacttc gtttcttgat gaccgtttgc atatacggtt 240  
 ttaacagtgc catctgggta ttcccgcttc ttgaactggg cagtatgtag ttctctttgg 300  
 ccattattaa actctatgag tttgttgcca tcacgttgta ctctgacaat tgtaccatct 360  
 gggaaaatgc tttcttcttg tccatcagga aataagtttt taacagtctg gtcagggaac 420  
 gtgaatttct ttcttccatc tgggtaatgt ttttc 455

<210> 1309  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 1309  
 ttacaaaatt taatctgtat taactttatt taaataaatg accaatctgt caccacaacat 60  
 gtcagtgtggc ttctctgcac tgatcttgct ttgttttcaa acttgtcact tgcaaatatt 120  
 ataagaaaaa aaggatcatct aaaatgagtt aaactgggta caattgggtct caacttttaa 180  
 gaatttacat tcaaatggaa taggacgcag tggtttttaa gtgcaagata tactcttttg 240  
 gctcaacatg aaacattata gaactggaaa ttaccgcagt ctttctcct acaacaaact 300  
 tagttaaag ctgttttgaa agtttagtag ccatcagatt ataaactatg aaaaacactg 360  
 aaaagtcatt taaaatgagt atataaatgc aaattacaaa taaaaccagt gtgggagag 419

<210> 1310  
 <211> 265  
 <212> DNA  
 <213> Homo sapiens

<400> 1310  
 ttgtagaga gaaaaattta ttgcaaggca gccaaagcaag gacacaggag tctggcccaa 60  
 atctgtctct ccaagttgga ggctggggca gattttatat acagagggtg gtgaggcatg 120  
 atatgattgg atcttgtaat gaggggattc aggaggcttg atctgactgg atcacgccag 180  
 ggctcaatct gattggatca aggatcatgc cacgtggtgt ccacttctta actcagtcct 240  
 tgttctctcag tctgagcact taggt 265

<210> 1311  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 1311  
 tgatattaca agttctttta tgaatacctt ggtaacttgc tgacaactta aaagataata 60  
 ccactgatat tcaaatacag ttataatca agtccagtgg cagatactga accgcccacc 120  
 tccacctcaa tttgtgaaaa cctgtctttt gtagggttggt ctaccatggg taattacgca 180  
 gcaactgaata aaaaatagaa tatttttcta atacttctac aaatataata aacacagtaa 240  
 cagtttgctg cagcgatttt ctttacaag aatatttggg ccagtgcta cagaaaaaca 300  
 tgaactacat cttatcgtca caaaatagcc attataaaat gaattttgca gc 352

<210> 1312  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 1312  
 tgaagagcac agatttattg aaacaaaagt acatcccaca gagtggcagc aagattgagc 60  
 aacctgctgg agaccaccgg ttacagaatt ttctgggggt taaataccct ctagagggtt 120  
 ccatttggtt actcggttta cgccctatgt aaatgaagta gtgatccgtg accagtctgg 180  
 ctggctcgtg gaggggacca gtcataggta cttttcattt ttcactctgc aggcagaaaa 240  
 ggggcagggt gcaaaggag tataacctct gattcttttg ttacttgggc gaggaaagtt 300  
 gagattttcc ttttagattta gttataggaa gtcagtgtga attggcttta ggcagtgtga 360  
 actgcctctg gaacttatcc tctgcctca caagcattta tgaaatctgg ccctagacaa 420  
 gatgt 425

<210> 1313  
 <211> 443  
 <212> DNA  
 <213> Homo sapiens

<400> 1313  
 cggccgcgga ggacctgtcg gacgcgctgt gcgagtttga cgcggtgctg gccgacttcg 60  
 cgtcgccctt ccacgagcgc cacttccact acgaggagca cctggagcgc atgaagcggc 120  
 gcacagcgca gtgtcagcga cacgagcggc ttcagcgact cggagagtgc agattcactt 180  
 tataggaaca gcttcagctt cagtgatgaa aaactgaatt ctccaacaga ctctacccca 240  
 gctcttctct ctgccactgt cactcctcag aaagctaaat taggagacac aaaagagcta 300  
 gaagccttca ttgctgatct tgacaaaact ttagcaagta tgtgaaacaa gaagttctgg 360  
 gtcctttcat cataaggag aagcttcaga aagttccgag gacctgctaa aatcagctac 420  
 tagaatctgc tgccagaggg gac 443

<210> 1314  
 <211> 116  
 <212> DNA  
 <213> Homo sapiens

<400> 1314  
 tgaggccaca catgtttatt aggccggtcc tgacacctgc ctgcggggaa ggaccaccga 60  
 gaccagatcc tgggtgccat ggggtgcagg gacagaccgg tgcattggcag cggctg 116

<210> 1315  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 1315  
 cagagaaata agcttttaata ggcgcaatgt tgcataatcg ggtaacttgt tctttgagaa 60  
 atataaactc aaactcacaa gttgtcatga taacatatgc agtaatatga ccattctaca 120  
 acagagtcac ccacaggtaa aacacatgac tgggctttga gctc 164

<210> 1316  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 1316  
 ttttttgaga cagtcttgct ctatcaccca ggctggagtg cagtggcaca tctcggttta 60  
 ctgcaatctc cacctcccga gttcaagcaa ttctcctgcc tcagcctccc gagtagctgg 120  
 gattacaggc atgcaccata acaccaact aatttttgta tatttagtag agacaggggtt 180  
 tcatcatgtt ggccaggctg gtcctgaact cctgacctca agtgatccat cactcagggc 240  
 ctcccaaagt gccgggatta caggcatgag ccaccgcacg tggcctagat gaaagttttt 300  
 aaaagcctgg gctaataaaa tcatccacca atcatttttc ttatgggttaa agcagccaaa 360  
 aagctgtcac agcatttttg agatga 386

<210> 1317  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<400> 1317  
 tttttttacat tttattagaa tcttttttatt tttttctgca gaaaacattt gagatgctca 60  
 tttgatataa acatctaatt ccaagagaga ccagtgtca aatatagttt tttcagctac 120  
 catttgatac ggccataaat ttggatggtc catgttacaa tccttccaca attctccact 180  
 taaagacatc atttttctat gtttttaatg actattgcca tctaacaatt ctacaattcg 240  
 cctcttttgc tgtaaaaagg ccaactctac gtccacctgt gtctcatatt gctatctttt 300  
 atttatctct gcttaagatt gcaaaagttt ttgattttat tattcacctg aacaatgtat 360  
 tgcaattcca atacaccccc atctcttgct gttatctaca gcttgtgaca aaatgaacac 420  
 cttgtagaaa tctcctactg gttgggtttc ccaagtctat gacaccaaga gagaagcatt 480  
 gctgatggat tgacgaggag accaccagat cat 513

<210> 1318

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<211> 166
<212> DNA
<213> Homo sapiens

<400> 1318
ttttggtagc tattgaatca gggccacaca ttttaattgat attatgatca agatgttcaa    60
ggcaaaaaat actattactt atttaatgtg gaacaagtct agtctttctc ttgagctccc    120
acctgctggt taggaggcaa caatgttatt tggatcctgt ttagag                    166

<210> 1319
<211> 497
<212> DNA
<213> Homo sapiens

<400> 1319
aatttttaatt tacaatgaaa tgaaatgtga cacatgaagc ataagaacac aactgaagac    60
tgcaaacacac ctaaataaat taccgagttt gctcaagcct ccaagcacca gtcaaataac    120
gaagtcgtat aaaaagtagg actttacaca tttgtagcca gctccagaat ggaactaatt    180
tagaaccttc aaattctgtc cagttgacag caatttctgc tattggaatt ttaaagaact    240
gtgctatgta cagtagttct acatcaaata ccctgagcaa ttgattcttt ttctaaatga    300
gctcgagatc cacatgctat agccaattga ttaggccaag gctgtagatc atttagcccc    360
ttttctaatt tctcaacatc tggaaacttt gtggtccat cagcatctgc cataaggatc    420
ttttctctc gagaaactgaa tataccatt ctaatcgtc caccttttcc acgattcttc    480
accagggtta tcacagc                    497

<210> 1320
<211> 233
<212> DNA
<213> Homo sapiens

<400> 1320
gaggtgaagt tcttgtttat tgttcagca actcttatac agacattagc gttcagttaa    60
ataaaggaag atagatagca cagtaaatac atcacaaccc caaactggat gatgtsgcca    120
cgggacggag gavsghasgs agggagggac cagtsaccga ctgtcaagga agtacattca    180
gtgggtgtgc ssgtgtccac attccaggct cacgtgtaga tattccccbc cat          233

<210> 1321
<211> 231
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1321
taattttcca caaagagctc cagaaggcaa atagtttatac acttccccac tctgaaatag    60
cacgcaagac agatgatgca ggggaatggg tgtccactct tncctgtncct cagagctcct    120
gcagcaggcc tgantgacct gcaagcgggg cccatgcagc gtgtcctctg caaagtgcag    180
gtnttcagtc cacacacagc accaccagca ctgctgatgt cacggttgtc t            231

<210> 1322
<211> 272
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<223> n=a,t,g or c

<400> 1322
catgttttta tttttttata ttttttttg aaaaattaca ttaacagcat aaaattcaaa    60
agttatacag aagaaacaat aagangtaaa tctttcgtcc tgtcctgtgc cccatctagt    120
accttaagac aatcagtgat agtagtttct tggctgtacc ttcacaaata ttctaggtat    180
ttatattatt tatttncccg tacacaacaa cagcgtatta tagacaacat tctctcctgg    240
cttttttcac ttactcttta tccatattga ta                                272

<210> 1323

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<211> 268  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1323  
 aataaaaactg tttattttatg gnacacatta gaaaagaaag gttcgaaaac nncacaaaaa 60  
 caacgggatg catttaaaat cggatgacag aggcattctaa aggattatac aaatctaaaa 120  
 ttgcctaaaa gattctttac aaaacgcaaa tgaaaggctc atgcagcaca tgancctggg 180  
 ttgcccctnc tctgtctctc ctttgcctcg atgctttgag tacagtaacc ctttttctca 240  
 gttacctttt ctccttgagg ctaatgaa 268

<210> 1324  
 <211> 442  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1324  
 ctttaattaa aggctaattg ttagcacttc attagnaggt ggagagatta aaaactaact 60  
 tccttgccga atagcctggg ttggaaaaag catgtttttg aaatatgtgg gatctccact 120  
 ctggggccct ctgcagtcct gtctgggtct tcacacctaa gtcaaagcaa gagctatttt 180  
 tgcgttagaa tttccttagc caagactaca agaggccaaa tgccagggtt catctcagct 240  
 tcctgtgcat tcacatggaa ggtcgtcttt gaatctgcac gtccagctcg ccatacacat 300  
 gtctcaggga gtcactgctc atgctgggct atcagcttcc gatgcccaga gaccagggg 360  
 ccggcacact tcttccact tgcacgggtg gagttggggc cnggattttc acgggaacat 420  
 cttctttcat ttgggncttt gt 442

<210> 1325  
 <211> 470  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1325  
 ctgggaatat ttattttattt atttgggncta ttaacaccaa ganctgcaaa aaacaacctc 60  
 taaacacaag ataagaaaac tcgaacatta acattctnca attttgtgta agcnctgcag 120  
 tacgganaat atacaaactt naaacagctg caaaaatagt gtctntggga gaanatagag 180  
 tctctacatc gatacaagaa aaatagggca tttttctaata ccatccagcc ctggggcggg 240  
 ncggagcngt ntagagtcgc catttgccac ctgggggggga ttgccagctc tcctccccac 300  
 taccacactg ggggctgggc gggctgggct gctacttaag gacaatcttt aggtcagggg 360  
 tgaaagcgag atgaaaatgg ccacttgggg aaaacacttg tttcctcccn ctgccagcag 420  
 ctggattggg ncaagggtgtt atggggccctt aggggncttt ttgggtcagt 470

<210> 1326  
 <211> 391  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1326  
 ggcttaggaa aaacatgtac tttattggca aattgtttta gctgtagacg gatggatgat 60  
 tctacagcca cactccccct tccgggtgta catccggggc ctgtgcacct gcgcgggaatc 120  
 aggcaacttt gtttttcccg gtccccaaaa agctcacctt tgacacaccc tctatatgca 180  
 caggaaaact gctcttctta ttcagggtct ctttttgtgg tggaattcag agaaactggg 240

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ttgcaacatc ttttttaggga gaggtcgagt atgttttttc attcgagtga ctctgcatgc 300
ttaagggaat ctgagtcggt ataaaggggc tagaccnctg aatttggcgt acagcgttcc 360
cngggtngcc cgcagcccca ggggtacaact g 391

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<210> 1327
<211> 471
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1327
cgcatatcca gtgtaaattht attttttttac agcatccaat aaatcccagt aaaggagcta 60
aatgaagatc ttaacatgaa aagtgggtgc agagctcttt aggcaatgct gaaatgcact 120
tgattttatg cccgtgggtg gtcggcagca agttttattht gcaaagcagc attagcaaac 180
agaagcaatt gcaccgtaaa tgagtaacct ctaaagtatc agtaattata tttaatgaaa 240
tgtccctcaa agtccctttg ttatttgcaa gtgacacatt gtaaggaact tgcccatccc 300
gctaagctga cttctcagcc gcttcagtct cctgctccgg acagcttctc ttctggacag 360
aactggacat ccagggggga tacggagccc cttgantgcc ctgccttggg ccaagggttg 420
aagnggggta aggacnnggg ggaaaaantt cccccnnggg aactggagtc t 471

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<210> 1328
<211> 446
<212> DNA
<213> Homo sapiens

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<400> 1328
gacagggtct ttctctgtca ctgaggtcgg agtgtagtgg cacagtcaca gctcactgca 60
gccttacctt ctgggctcaa gtgaccttc cacctcagcc tctgagtag ctgggactac 120
aggatgtgt cactacaact gactaatttt taattttttt atagagacac aggatctcac 180
tatattacc aggctggtct tgaactcctg agctcaagcg gccacccac ctgagcctcc 240
ctaagtgttg ggattacagg catgagccac ggtgcctggc tatcacgcaa ttcttaagtg 300
cttattccag tagcagaaga gattagaaag gctggctttt tccaacagtg ggagcttgaa 360
tctggaaagt cttaaagttg ttgtaatttc acactactaa gaagcacttt gctcatgcaa 420
ctgaaaaaaaa aattaagtgc ctaccg 446

```

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<210> 1329
<211> 432
<212> DNA
<213> Homo sapiens

```

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<400> 1329
caaacaattg atttttattg cagtaagagt aacaaggaat cccacccctc acatgccctt 60
tgctttatgt aaaaacctgt ccagcagaat aagcaacagt caccctcagg aggcgattta 120
gcccgaagtg cccatagaac agctcaggc acgacttctg tgctccctcg ctgttcccag 180
agccatctgc caagaccagg aattcacctt tggagtctaa cttgttttct ctttttttca 240
cctctcaaaa aataaaaagc cttcagtaat acagcccaag gattaccctg gtgtctaaaa 300
gaaggataga ttcccataaa caatgttgtc agcttgagtg agggtaaaaa cagaaaggca 360
cacaataaat taaagcagac cttgactctt cagagggcct ggcgggtgacg tctggggggg 420
gccagatctg cc 432

```

```

<210> 1330
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<223> n=a,t,g or c

```

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<400> 1330
agactgcata gggctcggcg gggaggtggg ccccagcagc tgctaagaga gtgaaggagc 60

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<210> 1334  
 <211> 260  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1334  
 actttttcata aattttattta tgaaattaaa tgtgggtttct ggcttggaga aggaatagtg 60  
 caagagtgac tgtccatgct gctgaatcct gtgggctcca cgccagctcg ccaggccctg 120  
 gntctgctcc tggngcccct tggcaggaca gggcgccatn tncacacacc cgctgctgg 180  
 gntgtgggtc antcctgtnt gctgagccac agaattcggt ctntctctta tggcttctca 240  
 cgttcacgag cgtaaggcaa 260

<210> 1335  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1335  
 tttttttctca gtttctcctt tattgctccc gtacgaaccc ctccccctccc ccctgtaaac 60  
 acagtgcctgc gagatcgntg gcagagaagg ctctcctccag cggctgggtg gtgaaggacc 120  
 ctggctcttc tctcggggcg acccctcagt gctcggcagt catactgggg tgcgagagag 180  
 gtgggcagca gntcagcctc ccccgntgg gatgcgaaag tttnttggtt tcagcttcat 240  
 ttccgtgaag ggcaccnnga actcgaagcc cttccag 277

<210> 1336  
 <211> 309  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1336  
 ttnggtatgt gggttcagctn tttattntct ccatgggggtg ggtgaagagg agtggcccag 60  
 ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagc ttgggcagaa 120  
 aggagcagga cttgggacag acgactgaag atgcagagac cccatggggc ccacccctgg 180  
 gccttctctc catntggctg caggcatcct ntntnatcan tgctgggttg ctctctgggt 240  
 aaagggccan aaggtnaagg agatgggntt ttcangcatc agaatgaggt tnaatttggt 300  
 gccacatc 309

<210> 1337  
 <211> 405  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1337  
 cagagnchnag tttattgcac tgactcaaag cacaactaaa aattaaaacc agaaagaaaa 60  
 ctgtacaaag cacgaagcta caactttaaa agcatcacct agacgcgggt ttaattgcac 120  
 tacagnccat gggtagagg agctttnat cctgagcgc cgggcaagga caacagacac 180  
 agagagatgc agccgcctg ggntcatctg ctgcaccaac ttttataaaa ggttctagaa 240  
 aagggaagtn tnaagtcaga tctgggattt cggcatcttg acctcatttg gacatggaaa 300  
 acctccacct atgtggctgg ctgggtcctg tcagagaaca tattttatca ccctccacct 360  
 gcggcctggg ggntccctga caccaaggac tnggcctggg caggg 405

<210> 1338

<211> 493  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1338  
 tttccaagcc aacattttatt nttgcacaag cctgttgagcag tcctgagggg atcttctggc 60  
 anaggtntgg gtaggagctg agtggccact ggggtgaagg gagacagagg aggcntntgcc 120  
 agcaggntcc tatccagatg atacatgaga tggaggctcc tcagccacac tccagggagg 180  
 gtgggggtggc aaggggggatt caggggataat ggcattaata atacaagtgg taaacaaata 240  
 accaagaggn tctggctggg tacgntacac aaaanttagc agtaagagtc cgtgctttca 300  
 cattcctatc agacagatct gagttcaaact cctgtatgtn tagcaggggtg aggtatctgc 360  
 tttctttcag agcccatggg tgcacatctc tgagcctagt tacaacagtt ggcacatagg 420  
 tnggtgacaa ggagggcagc tctttgattc ctgnttgctt ccacagcaca gagagttaag 480  
 tatggctggg nta 493

<210> 1339  
 <211> 326  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1339  
 gtgggtcacag tggcaacggg tagattgggtg ggcaggggaga agttggaccc attagagggg 60  
 gaggggtggca tgctggagcc catgctgggtc acgatgctcc cgatgccaat ccagaaggcc 120  
 atgacgagcc cagccaacag gccacaacag caccaggagg gttagcacat ggaaagaaca 180  
 ttccaaggca gaagagtccc agcagcggtc cccaacccat gccaaagatg ctgattgctg 240  
 cctgcaacna ggtcccatnt gggaggaaat ataggccatt cctagacaaa gcagcccata 300  
 gccaaaggaa aggncttctg ggaaag 326

<210> 1340  
 <211> 424  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1340  
 agagctctag cacattttatt cgggagagta agcctgggaa agactaaggg agtgggtggca 60  
 gggagaaaagg ctgtgggggaa tcagagcggg tgctcagttg ggtcttgaag ganannnnnn 120  
 ngnnggtggg aggtggggtt ccgaggatat cttgggtgaa gacttggggg tcaagacaaa 180  
 gggacttagg gggatggggg ctgggttagag ttggggaggg ggcctaggac atccgtgcag 240  
 agtctgggga ggttgggggt ggagagtctg tacaagtttg gtgttgggtg ttctagttgg 300  
 cctggtgtcc aagagttggg gcagtcaggaa aaagggttcc agagtctggt gtggctggct 360  
 ggggtttcac ggcanaaaat gggctggaag gggcagttgt aaactgtctg gttgcaagg 420  
 aaag 424

<210> 1341  
 <211> 429  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc feature  
 <223> n=a,t,g or c

<400> 1341  
 ttgacgttgg cagtgcatt tatttttctn nggggagggg agttatatac agcagtgacc 60  
 cggagcccct cccccacc aggcttaggt ggggacagga ggcgttggca gaaggcacac 120

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agtggcagta gccagaagag gccaggaagt aaggggtgggt atgtgatgtg tcctgggaga      180
cccagatgag gaaattgagg ctcatgtagg gcctcaggtc acacagtaag gtgcgaagga      240
gctagtcccc agagcttgtg gtggttgctt ctctcttgcc tgggctacag gaggacgcag      300
gggcagcccc cgcccttctt cctgggggca ctgggagggc tcggtgggag ctcttggtcc      360
tgggtatttcc ggacagcccc caccagctgc ttcaaaagcc tcgtccacgt tgagacgcat      420
tttggccga                                     429

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<210> 1342
<211> 246
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<223> n=a,t,g or c

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<400> 1342
gaaaatgctt taataagtgt tgacaacact gttttgcann ntgtaaaggt actatacaaa      60
tncttaatac aaaaagaata aattaaaagc agatttcttt ttttaattct gcaactttgt      120
ctacaacgta catctttttc attgattaca gttgaacaga atccagtaaa atcattttac      180
atgctctaca gtcagtttca ggggcanccct aatctttttt cccccattat taaactagag      240
tccatt                                     246

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<210> 1343
<211> 852
<212> DNA
<213> Homo sapiens

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<400> 1343
cttgagctg cccacctcac cctcagctct ggcctcttac tcacctcta ccacagacat      60
ggctcagtc ctggctctga gcctccttat cctggttctg gcctttggca tccccaggac      120
ccaaggcagt gatggagggg ctcaggactg ttgcctcaag tacagccaaa ggaagattcc      180
cgccaagggt gtccgcagct accggaagca ggaaccaagc ttaggctgct ccatcccagc      240
tatcctgttc ttgccccgca agcgcctctca ggcagagcta tgtgcagacc caaaggagct      300
ctgggtgcag cagctgatgc agcatctgga caagacacca tccccacaga aaccagccca      360
gggctgcagg aaggacaggg gggcctccaa gactggcaag aaaggaaagg gctccaaagg      420
ctgcaagagg actgagcggg cacagacccc taaaggggcca tagccagtg agcagcctgg      480
agccctggag accccaccag cctcaccaac gcttgaagcc tgaacccaag atgcaagaag      540
gaggctatgc tcagggggcc tggagcagcc accccatgct ggccttgcca cactctttct      600
cctgctttaa ccaccccatc tgcatcccca gctctaccct gcatggctga gctgccaca      660
gcaggccagg tccagagaga ccgaggaggg agagtctccc agggagcatg agaggaggca      720
gcaggactgt ccccttgaag gagaatcatc aggaccctgg acctgatacg gctccccagt      780
acaccccacc tcttccttgt aaatatgatt tatacctaac tgaataaaaa gctgttctgt      840
cttccacccc gc                                     852

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<210> 1344
<211> 1258
<212> DNA
<213> Homo sapiens

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<400> 1344
ggctctggac tggggacaca gggatagctg agccccagct gggggtggaa gctgagccag      60
ggacagtcac ggaggaacaa gatcaagatg cgctgtaact gagaagcccc caaggcggag      120
gctgagaatc agagacattt cagcagacat ctacaaatct gaaagacaaa acatggttca      180
agcatccggg cacaggcggg ccaccctggg ctccaaaatg gtctcctggg ccgtgatagc      240
aaagatccag gaaatactgc agaggaagat ggtgcgagag ttccctggccg agttcatgag      300
cacatatgtc atgatgggat tcggccttgg ttccgtggcc catatggttc taaataaaaa      360
atatgggagc taccttgggt tcaacttggg ttttggcttc ggagtcacca tgggagtgca      420
cgtggcaggc cgcctctctg gagccacat gaacgcagct gtgacctttg ctaactgtgc      480

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gctgggcccgc	gtgccctgga	ggaagtttcc	ggtctatgtg	ctggggcagt	tcctgggctc	540
cttcttgccg	gctgccacca	tctacagtct	cttctacacg	gccattctcc	acttttcggg	600
tggacagctg	atggtgaccg	gtcccgtcgc	tacagctggc	atTTTTGCCA	cctaccttcc	660
tgatcacatg	acattgtggc	ggggcttcct	gaatgaggcg	tggctgaccg	ggatgctcca	720
gctgtgtctc	ttcgccatca	cggaccagga	gaacaaccca	gcactgccag	gaacagaggc	780
gctggtgata	ggcatcctcg	tggatcatcat	cggggtgtcc	cttggcatga	acacaggata	840
tgccatcaac	ccgtcccggg	acctgcccc	ccgcattctc	accttcattg	ctgggtgggg	900
caaacaggtc	ttcagcaatg	gggagaactg	gtggtgggtg	ccagtgggtg	caccacttct	960
gggtgcctat	ctaggTggca	tcatctacct	ggtcttcatt	ggctccacca	tcccacggga	1020
gcccctgaaa	ttggaggatt	ctgtggcgta	tgaagaccac	gggataaccg	tattgccc aa	1080
gatgggatct	catgaaccca	cgatctctcc	cctcaccccc	gtctctgtga	gccttgccaa	1140
cagatcttca	gtccaccctg	ccccaccctt	acatgaatcc	atggccctag	agcacttcta	1200
agcagagatt	atttgtgatc	ccatccattc	cccaataaag	caaggcttgt	ccgacaaa	1258

<210> 1345  
 <211> 1364  
 <212> DNA  
 <213> Homo sapiens

<400> 1345	aggggactgg	ggccaagagc	cgggagcgcg	ggcgcaaagg	caccagggcc	cgcccagggc	60
	gccgcgcagc	acggccttgg	gggttctgcg	ggccttcggg	tgcgcgtctc	gcctctagcc	120
	atggggctccg	cagcgttTgga	gatcctgggc	ctgggtgctgt	gcctggTggg	ctgggggggt	180
	ctgatcctgg	cgtgcgggct	gcccattgtg	caggTgaccg	ccttcctgga	ccacaacatc	240
	gtgacggcgc	agaccacctg	gaagggcctg	tggatgtcgt	gcgtggTgca	gagcaaccgg	300
	cacatgcagt	gcaaagtgtg	cgactcggTg	ctggctctga	gcaccgaggt	gcaggcggcg	360
	cgggcgctca	ccgtgagcgc	cgtgctgctg	gcgttcgTtg	cgctcttcgt	gacctggcg	420
	ggcgcgcagt	gcaccacctg	cgtggccccg	ggcccggcca	aggcgcgtgt	ggccctcacg	480
	ggaggcgtgc	tctacctgtt	ttgcgggctg	ctggcgctcg	tgccactctg	ctggTtcgcc	540
	aacattgtcg	tccgcgagtt	ttacgacccg	tctgtgcccg	tgtcgcagaa	gtacgagctg	600
	ggcgcagcgc	tgtacatcgg	ctgggcggcc	accgcgtgc	tcatggtagg	cggctgcctc	660
	ttgtgctgcg	gcgcctgggt	ctgcaccggc	cgtcccgacc	tcagcttccc	cgtgaagtac	720
	tcagcgcgcg	ggcggccccac	ggccaccggc	gactacgaca	agaagaacta	cgtctgaggg	780
	cgtggggcac	ggccggggccc	ctcctgccag	ccacgcctgc	gaggcgTtg	ataagcctgg	840
	ggagccccgc	atggaccgcg	gcttcgcgcg	ggtagcgcgg	cgcgcaggct	cctcggaacg	900
	tccggctctg	cgccccgacg	cggctcctgg	atccgctcct	gcctgcgcgc	gcagctgacc	960
	ttctcctgcc	actagccccg	ccctgccctt	aacagacgga	atgaagtTtc	cttttctgtg	1020
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<212> DNA
<213> Homo sapiens
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 <212> DNA  
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